**2018 Military Cross-Cultural Competence Annotated Bibliography**

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Approved for public release/unlimited.

**Abstract:**
The 2018 Military Cross-Cultural Competence Annotated Bibliography is designed to supplement the original 2014 bibliography. The current version provides a foreword as well as brief summaries of publications devoted to military cross-cultural competence that have become available since the 2016 update was completed.

**Subject Terms:**
cross-cultural competence, military

**Security Classification:**
Unclassified

**Limitation of Abstract:**
UU

**Number of Pages:**
83

**Responsibility:**
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703-432-0609
Introduction to the 2018 Military Cross-Cultural Competence Annotated Bibliography

In an attempt to keep it a living document, an update was made to the Military Cross-Cultural Competence (3C) Annotated Bibliography in 2016 to contribute new annotations of work that had been published since the bibliography was initially compiled. The 2016 version did not, however, address any of the larger developments that have occurred within the 3C community of interest or its relevance to the changing nature of global conflict. This introduction seeks to address a number of salient issues that have arisen since the original 2014 publication of this annotated bibliography to provide readers with a sense of context, persistent challenges, and the evolving relevance of military cross-cultural competence.

An Ever-Present and Expanding Need

While the more recent efforts to develop effective military 3C training and education were spurred on by the insurgencies in Iraq and Afghanistan, these concepts and skills have proven to be useful beyond simply interacting with the ‘other’ to win hearts and minds. As the operations in which military personnel are engaged become ever more complex, the ability to understand and interact with allies, the indigenous population, and adversaries is critical. This is evident in recent coalition operations in Iraq and Syria, as well as in other theater security cooperation activities across the globe.

As 3C educators have been saying for decades, the kinds of misunderstandings that are inherent to intercultural interactions are not limited to overseas assignments. We experience cultural difference when we interact with those that look at and experience the world differently than we do. Factors that contribute to this could include: generational, gendered, ethnic, and racial differences, among others. The 3C enablers (perspective-taking, holism, curiosity, for example) referenced throughout the bibliography provide military personnel with tools for anticipating and managing the challenges associated with cultural difference. Although its applicability to mission effectiveness may not be immediately obvious, 3C is relevant across rank and MOS and must be viewed more broadly as both a mindset and a skillset necessary across leadership contexts.

Just as the need for culture has evolved and expanded, as has the role of education in the career of the military professional. The 2015 (p. A-3) Officer Professional Military Education Policy defines education as learning that focuses on “the cognitive domain and fosters breadth of view, diverse perspectives, critical analysis, abstract reasoning, comfort with ambiguity and uncertainty, and innovative thinking, particularly with respect to complex, non-linear problems.” As cultural education touches on all of these aspects and teaches individuals to think critically about them in ever-changing and ambiguous situations, it can be said that 3C is one of the most potent educational multipliers available.

Experience, Decay, and Cultivating the Capability

Fully engaging this cross-cutting skillset does not come without a cost. 3C, as with most human abilities, is both processual and perishable. This capability isn't something that you buy like night vision or radar arrays. It takes time to convey the basic concepts and skills of 3C to service
members, and then takes additional time as the troops gain experience, practice the skills, and see the concepts at work. At the same time, 3C is perishable at both individual and organizational levels. Personal experience inevitably becomes outdated. Many veterans of Iraq and Afghanistan have already left the service, taking their experience and lessons learned with them. This problem highlights the ever-present need for novel education programs to both foster 3C capabilities in newcomers to the armed forces, as well as maintain and further develop the skills of the experienced troops who remain. A crucial aspect of such development is the assessment of learning and knowledge – a challenge that continues to be met with disparate lines of effort.

Enduring Challenges

How 3C is defined will impact how it is assessed. All stakeholders in the development of 3C have their own background-specific jargon. While many talk about culture, the same words are often used in different ways, or otherwise misconstrued when speaking across disciplinary boundaries. This inconsistency in 3C definitions within the DoD and across academia can be problematic when it comes to assessment reliability and validity - which creates additional complications in terms of assessing 3C learning and ability. Along with a lack of a unified lexicon, there is disagreement as to which assessment methods are most effective.

Throughout the past several decades, self-report measures have been the dominant form of 3C assessment, which presents its own set of challenges. For example, if appropriateness of action is a key characteristic associated with 3C, and appropriateness is defined as meeting the expectations of others, then it stands to reason that 3C should be assessed (at least partly) by those involved in an intercultural interaction. The self-report measure offers only one perspective of an interaction that by its very nature includes more than one perspective. It is now widely recommended that 3C assessment be broadened to focus on process as much as results - which can include interviews, critical incident analysis, simulations, observation of behavior in specific contexts, situational judgment tests (among others) to improve its authenticity.

The target audiences of 3C education are just as diverse as the individuals who generate the content. Different service cultures impact the ways in which 3C is perceived and consumed. It goes without saying that what works for the Marine Corps may not work for the Air Force. It is crucial that 3C instructors and content developers pay very close attention to the various implementation contexts of their work. While the foundational concepts and skills of 3C are useful to all services, the specific way in which they are conveyed to the troops directly impacts the overall effectiveness of the educational intervention. In order for this material to maintain its relevance, content creators and educators must craft their lessons in a culturally appropriate manner.

Moving Forward

The importance of context in conveying the value of military 3C cannot be overemphasized. The right lessons need to get to the right people in the right way. Fortunately, everything needed in order to craft effective and appropriate lessons for diverse audiences can be found within the teachings of 3C itself. This point alone illustrates the holistic applicability of 3C education, which is not limited solely to interacting with a foreign population or utilizing an interpreter: 3C is fundamentally about dealing with people. As long as people are involved in military operations, the
ability to understand culture and human behavior will be imperative to the success of the warfighter.
INTRODUCTION

This work is an update to *Cross-cultural competence in the Department of Defense: An annotated bibliography* by Gallus, J. et al. (2014, 2016) with newly published works. As new research is published, we add to the annotated bibliography to capture shifts in the field. The previous document can be found at the following URL:

http://oai.dtic.mil/oai/oai?verb=getRecord&metadataPrefix=html&identifier=ADA599260

REFERENCES

Military-Related Publications


The authors identify Merrill’s five principles of instruction (i.e., learning is promoted when learners are provided real-world context, learners can activate previous experience, instructors demonstrate or provide examples about the material to be learned, learners can apply their knowledge to solve problems, and learners will transfer the knowledge and skills learned to everyday experiences) and detail how each of these principles was implemented when designing cultural training programs during the Vietnam era. Using these principles, the military was able to create programs to train cultural understanding that could be tailored to specific cultures (e.g., Vietnam, Korea, Afghanistan). As part of this process, researchers collected critical incidents from military personnel returning from deployments to revise existing culture-related training programs to better fit the current operational culture. The authors explore how the cultural training programs of the past (i.e. Vietnam era) have helped inform post-9/11 culture training.


Although company-grade officers in the military receive some cultural training, they are often tasked with performing in contexts in which they are not well trained. The focus of this study was to investigate various socio-cultural tasks and encounters and how the frequency and importance of these tasks relates to mission performance. A sample of 72 previously deployed company-grade officers completed the survey and participated in focus groups. After examining the data, four categories of competencies were identified: ability to understand the socio-cultural context, ability to interact with people from different cultures, ability to shape the operating environment, and the ability to self-manage in an unfamiliar culture. Based on survey results and focus group discussions, the researchers revised a list of culture-related learning objectives used in the Basic Officer Leader Course. The revised objectives were categorized by level of proficiency (i.e.,
culture generalist, enhanced culture generalist, and novice culture specialist). Tables are provided to show the revised learning objectives at each of the three levels.


This paper resulted from a two-day workshop focused on the instructional design process as applied to the development of cultural training and education. Participants (N ≈ 130) were representatives from government, industry, and academia who were involved in planning, developing, or delivering cultural training and education or in conducting research in those areas. Results indicate further research was needed in six primary areas: cultural performance requirements analysis, learner motivation and development, development and validation of instructional sociocultural content, flexible instructional solutions, methods and metrics for training evaluation, and continuing opportunities for exchange and collaboration.


The goal of this piece was to identify metrics developed to assess cross-cultural competence (3C) and related constructs in non-military populations for comparison to an Army sample. Cadets at the U.S. Military Academy and active-duty Soldiers completed the Cultural Intelligence Scale (CQS), the Multicultural Personality Questionnaire (MPQ), and the Intercultural Development Inventory (IDI). Results showed substantial convergence among the three measures as well as correlations with biographical variables previously linked with 3C. Results also indicated that, overall, officers had higher levels of intercultural development than NCOs.


This article addresses the need for cultural training as part of professional military education (PME) and reviews some historical methods developed for doing so. Also discussed are empirical findings that support an implementation of a culture-general approach to such training. It also provides a discussion of culture-general and culture-specific learning, including strengths and weaknesses of various approaches, general learning theory, and the utility of employing civilian style education to prepare Soldiers to interact in culturally diverse environments. The authors suggest the solution for not only building but also sustaining cross-cultural skills should incorporate language training, region-specific education, and general cross-cultural competence education.

This report reviews research on the extent to which foreign language proficiency facilitates further language and cultural learning. Empirical research shows relationships among language learning and intercultural and language-related outcomes, but evidence for a direct causal contribution is lacking. The likely impact of language education and training on adults is unknown, particularly for personnel who lack intrinsic motivation or language aptitude or who hold negative attitudes about the language community. General characteristics such as intercultural sensitivity and interpersonal skills have been shown to predict intercultural success more than acquisition of language skills.


This paper presents the findings from a diverse workshop and literature review on cross-cultural training and in order to answer these three questions: 1) What do Army leaders need to know and understand about culture and identity?, 2) What traits and characteristics correlate with learning about and operating in different cultures?, and 3) What is the relationship between language proficiency and cultural understanding, and to what extent does learning a second language affect learning other languages? Topics of discussion include: cultural knowledge, the relationship between language and cultural understanding, cultural identity, the development of culture-general skills, revisiting the Cultural Understanding and Language Proficiency (CULP) standards as well as training and education considerations. Synthesis of the literature review and workshop findings indicate that culture-general skills like non-ethnocentric attitudes, openness, and interpersonal skills contribute to success in cross-cultural settings and should be incorporated into training and education at all levels.


As part of the Cultural Understanding and Language Proficiency (CULP) study, this report identified measures and predictors of performance in cross-cultural settings by analyzing existing measures and literature from diverse disciplines. Results indicated that culture-general competencies are more important to intercultural effectiveness than specific knowledge and/or skills. Importantly, a variety of antecedent variables were identified, including dispositional, biographical, self, and identity constructs. The authors also explored existing measures of cross-cultural competence, which were later analyzed in Abbe, Geller, and Everett (2010). They also point out a gap in the literature related to the knowledge dimension of cross-cultural competence that warrants future research.


The focus of this study is leadership-orientation, need for order, and social orientation. Based on H.A. Murray’s theoretical work, 1,358 Marine Corps advisors were sampled and compared against an Arab non-military sample to investigate both cultural differences and likelihood of effectiveness for advisors working in Arab cultures. The author provides a discussion of general differences and
similarities based on cultural differences and motivational factors, such as leadership-orientation and social orientation, between Arabs and U.S. military advisors. Finally, he suggests the main benefit of completing this inventory is for individual Marines to gain insight into themselves and their counterparts in order to interact more effectively.


Militaries around the world are increasingly tasked with complex humanitarian missions that extend beyond their traditional role. Such missions include development, diplomacy, stability, and peacekeeping operations and often entail long-term engagements with civilian populations in conflict or disaster zones. This edited volume offers a snapshot of both the successes and challenges of the U.S. military’s ongoing efforts to enhance its cultural expertise and provides short and accessible descriptions, with analysis, of the different ways in which this turn to culture has been recently expressed. It provides a landscape of these important but little-understood developments for military colleagues, civilian counterparts from other federal agencies, and non-governmental organizations with whom the U.S. military increasingly collaborates. The book is also intended to orient non-military humanitarian professionals and students to what is currently happening in this rapidly changing environment.


This piece describes different types of cultural awareness training offered primarily by the Army and Marine Corps, how these Services address educational needs, and the difficulty of measuring training effectiveness and potential improvement. Research was gathered by way of site visits, reviews of relevant literature, and reviewing websites of existing programs. Training materials and methods ranged from pocket guides to Hollywood-style films and included didactic learning experiences with joint partners such as the Jordanian Armed Forces and U.S. Army Central Command. The Marines have a number of programs that were also reviewed from an ‘operational culture’ perspective. The author describes how historical tensions between the military and academia include controversy over the study of culture for strategic purposes and differing conceptualizations of culture – both of which further complicate cultural training for military populations. The author notes the lack of a unified strategy for cultural awareness training (e.g., who should receive the training, whether the importance of cross-cultural training has been effectively communicated, etc.).


In today’s diverse globalized world, there is increasing need for businesses to employ culturally intelligent workers in order to conduct effective business. Cultural intelligence (CQ) is defined as the ability to function effectively in culturally diverse settings. The goal of this study is to develop a practical tool (CQ Scale) to help employers assess levels of CQ in order to facilitate their hiring of a culturally intelligent workforce. The authors look at several different dimensions of CQ.
including metacognitive, cognitive, motivational and behavioral CQ. The authors hypothesize that metacognitive and cognitive CQ will relate positively to cultural judgment and decision making effectiveness, motivational and behavioral CQ will relate positively to cultural adaptation, and all four dimensions of CQ will relate positively to task performance. To develop their CQ Scale, the authors review the intelligence and intercultural competencies literatures, interview eight executives who each had extensive global work experience, and then develop a series of questions that are subsequently assessed and tested by an independent panel. The study confirms each of the three hypotheses and provides strong empirical support for the validity of the tool. However, the authors identify a number of limitations to the study including the use of a shortened survey to avoid participant fatigue. The authors recommend that future research extend their findings by examining additional predictors and outcomes of CQ.


This research project is designed to test whether there is a correlation between one’s personality and one’s level of cultural intelligence (CQ). To do this, the authors focus on five main areas of personality: 1) extroversion; 2) agreeableness; 3) conscientiousness; 4) emotional stability; and 5) openness to experience. As an example, openness to experience is chosen because the authors believe that the more open to a new experience an individual is, the more curious they are and the more they enjoy trying to figure out new things. The authors think that those who are high in openness are more likely to question their own cultural assumptions and to reevaluate what they believe about people from other cultures. The research for this study was conducted in Singapore and data collected from 228 undergraduate business students. Students were surveyed at two different points in time. At Time 1, 1,465 students provided data on CQ. Six weeks later (Time 2), 228 of these students completed a personality inventory and provided the researchers with demographic data. Findings show that there is a correlation between the aforementioned Big Five personality traits and one’s level of CQ. However, the authors point out that the study is limited because all data were collected exclusively from Singaporean individuals. The authors recommend that future research include data collected from multiple sources to determine the extent to which results can be generalized to different populations.


This piece provides a brief historical review of how the U.S. military came to realize there was a need to institutionalize 3C training in the current operational context. The author addresses some of the shortcomings of current training methods and follows by presenting the progress that has been made not only in training but also with respect to Soldiers’ interest in obtaining culture training. Additionally, differences between networked connectedness and 3C are described. Specifically, the author highlights that although people today are more connected through technology, this is not necessarily indicative of greater intercultural competence. In addressing institutionalization of 3C, current Army doctrine emphasizing 3C is discussed (e.g., FM 6-22, AR 600-100). Finally, this piece addresses how the contradictory nature of modern warfare (e.g., peace-keeping, nation-building, and a warrior ethos) further complicates 3C training, implementation, and institutionalization.
In the article, the authors delve into the importance of going beyond the traditional idea that providing a brief cultural orientation to those who are about to live abroad is sufficient. The authors feel that there needs to be more in-depth cultural training to acquaint those living abroad with culturally appropriate behaviors and practices. The authors review past landmark studies that set the standards for today’s cross-cultural training and then speculate about where the field of cross-cultural orientation and training will go in the future. They find that there is increasing interest in the field of cultural study, and, because of this, the authors believe that, in the future, there will be more sophisticated and in-depth measures that are developed to gauge the impact of cross-cultural training. They also believe that as the need for people to be more culturally knowledgeable increases, the cultural training available will become much more advanced, leading to more culturally sound individuals.

This article describes the development of the Culture, Regional Expertise and Language (CREL) competency in the Army as a response to a more culturally complex world in which Soldiers must acquire CREL competencies in order to gain a deeper understanding of the operational environment (OE), connect with host nation (HN) security forces, and engage the population. The three components of CREL are inter-related and build upon each other. The “Culture” or cross-cultural competence (3C) component consists of foundational knowledge, skills, and abilities (KSAs) that are globally applicable. The author further explores the key emphasis areas in CREL competency, namely open-mindedness, emotional intelligence, and training focused on concepts such as culture-learning, self-awareness, sense-making, perspective-taking, and rapport-building. The “Regional Expertise” component builds upon the 3C foundation with a geographic focus (i.e., a deeper understanding of a specific point on the ground in order to accomplish a given mission). Lastly, the author emphasizes that the Army is expected to focus on 3C first and Regional Expertise second, with language being a distant third.

Increased internationalization in the economic, political, and social arenas has led to greater interpersonal cross-cultural contact. Because much of this contact has not been successful, cross-cultural training has been proposed by many scholars as a means of facilitating more effective interaction. A review of the cross-cultural training literature is presented, and it is determined that cross-cultural training in general is effective. The article also offers a theoretical framework based on social learning theory for understanding past research and for guiding future research; this is important because in this context variables seem to operate differently in international versus domestic areas.


The author of this piece discusses how cultural intelligence is gathered by the Marine Corps’ primary expeditionary task force, those Marines who are deployed to major combat operations in support of combatant commanders. This piece highlights why cultural understanding is necessary and beneficial for mission success. It also provides specific instances and situations where cultural considerations arise, how cultural training can ensure one achieves mission objectives, and the strategic context under which 3C behaviors are needed.


The authors use a metaphor of cultural DNA compared with genetic DNA to understand more effectively what makes Americans ‘American’. Some of the context for understanding cultural differences is based on Graves’ model of ‘spiral dynamics’, which incorporates social factors into individual human behaviors. The authors suggest that this model is helpful for understanding how cultures are developed and demonstrated through the behavior of individuals.


In order to succeed in today’s complex military operations, Marines must be able to win the ‘hearts and minds’ not only of the enemy but also of local populations. This requires Marines to be culturally fit. According to Bosch, cultural fitness goes beyond current training in the specific “dos and don’ts” of a particular culture to include an emphasis on empathetic behavior and an understanding of one’s own cultural perspective. Bosch argues that, to achieve cultural fitness, the Marine Corps must begin cultural education in pre-training selection procedures and carry it through initial education into pre-deployment training and the deployment itself. Cultural fitness should be included in weekly training programs and is important because it could save lives and reduce human error.


The authors use the Cooperative Strategy of 21st Century Seapower, the core concept document for U.S. Sea Services, to frame this piece on behaviors, attitudes, and policies that enhance cross-cultural communication and competence. They agree with much of the extant literature that cross-cultural competence should be developed at all levels and present a set of guidelines for communicating across cultures. Some of these guidelines include familiarizing oneself with a diverse work partner’s culture, refraining from the use of humor (which can often be misinterpreted) to diffuse awkward situations, eliminating jargon, using multiple types of media in communication, repetition of themes, and exercising caution when asking questions. This piece emphasizes the linguistic aspect of cross-cultural competence and individual responsibility and does not address foreign language or training aspects.

A sample of Canadian reserve forces was asked to imagine working in a multinational coalition operation. They were presented with a scenario that included a trust violation and in some situations their partner was culturally different from the participant. Findings indicated that cultural differences impacted trust but were less significant a factor than the trust violation itself. The authors suggest that cultural diversity has an impact on trust especially in newly formed teams and may be attributable to individuals’ social identities and perceptions of difference from others. They further suggest that cultural differences are particularly salient in newly formed groups. In the absence of specific information on their partners, people may rely on stereotypes, which may yield inaccurate or unmet expectations. Despite these considerations, trust violations had the strongest impact on trust.


This article, a response to “How Cultural Ignorance and Cultural Arrogance Can Affect the Outcome of American Wars” by Martin J. Resick, suggests cultural misunderstanding can result in “fighting the wrong war”. The author takes a historical perspective using the American Revolution, Vietnam, and the more recent wars in Iraq and Afghanistan to highlight cultural similarities, differences, and misunderstandings. The author also emphasizes that the perspectives utilized by war strategists and historians, which are oftentimes different, must also be taken into consideration when examining the nation-building side of war.


This piece focuses on cross-cultural interactions among allied partners and the need for cultural awareness and understanding. The author emphasizes the unique forward deployment position of Marines to facilitating the establishment of relations with other nations through cooperative engagement, defined as planned interaction with the intent for contact and exchange. Such engagements have a long history, dating back to the Revolutionary War, and are still relevant to today’s operational environment. The author distinguishes cooperative engagement from combined training, which focuses on training in a joint environment rather than building relationships. Cooperative engagement goes beyond military-to-military relationships and can include civic action projects like medical, dental, and veterinarian projects, among others. Not only do these sorts of engagements allow multinational forces to work more effectively with one another, they also improve tactical skills and support U.S. political and military strategy.


This review is part of a larger, ongoing project focused on the development of an assessment of cross-cultural competence (3C) that is more resistant to the biases and faking coinciding with the use of self-report measures. The purpose of the manuscript is to review the extant literature on 3C, with an extended focus on synthesizing a number of 3C frameworks that were developed for the general population as well as for the US Army, in particular. Findings from this review revealed substantial overlap between the seven frameworks that were compared, including numerous
similarities between the 3C antecedents and competencies that were identified in each model (e.g., dispositional characteristics, cognitive processing skills). The authors also conducted a brief review of the existing assessments of 3C, which revealed that most assessments (which generally employ a self-report methodology) inadequately measure 3C. The authors conclude with a discussion of a new, integrative 3C framework that is currently under development.


In this article, Army LTC Burton emphasizes the importance of being culturally competent. More specifically, he assesses how being culturally competent can help Special Forces (SF) Soldiers to better complete their missions. LTC Burton offers advice from his personal experiences about how the way in which a SF Soldier behaves can either make or break a mission. The article is a first-hand report, so while it provides valuable advice, no research is referenced. LTC Burton addresses various cultural differences including the American emphasis on individualism versus other cultures’ values that place importance on group membership. He stresses the need for each SF Soldier to be aware of these small differences, as they can have a significant impact on the execution of a mission. LTC Burton warns that those involved in unconventional warfare must be vigilant of the “power players” and always remain aware of the group dynamics that exist within another culture. In closing, he states that an SF team that is not culturally competent and aware will have difficulty in accomplishing its mission.


This theoretical piece expands upon cross-cultural competence (3C) for military populations and introduces the concepts of cultural learning and cultural agility. These concepts are important facets of 3C and are described within a military context. The authors create a learning model for development of cross-culturally competent Soldiers that incorporates formal learning as well as social learning created by users themselves. For the purposes of this piece, 3C is described as effectiveness within a context and not as a task itself. This model for 3C presents a unique organizational challenge for the Army. Importantly, 3C is not an ‘end point,’ but rather an enduring challenge for both the organization and its personnel. Finally, the authors provide a number of methods and techniques for developing and assessing 3C.


The authors investigate connections between language, culture, cognition, and ontology and explore how these are interrelated with specific Islamic sects practicing in the Middle East. Included is a sociolinguistic model of ontological development for cognitive-information operations. In order to explain how this model works, the authors describe the theory behind how specific grammatical and sociolinguistic categories are related to group awareness. They go on to describe in-group and out-group differences and explore possible connections between language
and belief practices - how they develop simultaneously and continuously inform one another. Although this is largely a theoretical discussion, the authors do provide suggestions on how the theories and models presented can be tested empirically, through analysis of in-group narratives, texts, or transcripts of speech.


This article explains that, by viewing culture as a “cultural mosaic”, one is able to get a much more in-depth look into the underlying factors that motivate individuals to behave in different ways. A mosaic is a picture made up of many distinct colors or images. One is able to view the overall picture as a whole, while still distinguishing the individual colors, tiles, or image. The authors explain that rather than looking at an individual as one tile or one image (i.e. gender or race) and assuming that he or she is making decisions based on one criterion, one should look at each individual as a mosaic. By looking at an individual as made up of many smaller “tiles”, one is able to draw better conclusions as to where he or she is coming from and the thought processes he or she utilizes to make decisions. The authors assign three categories to each individual’s mosaic: demographic, geographic, and associative features of culture (family, religion, profession, etc.). The authors indicate that current research has been limited to a one dimensional view of culture, and that, in today’s global society, there is an increasing need for people to interact with others who are different from themselves. The authors call for social scientists to embrace new models of study, and that, by doing so, “new sciences can help researchers recognize that there is a need to embrace complexity, not dissect it”.


This piece explores intersubjective culture, beliefs, and values believed to be shared among members of a culture. Most people act on beliefs and values they think are widespread in their culture rather than their own beliefs and values. It is important to acknowledge that geography has a role in shaping culture, but individual beliefs may vary from that of the society. Employing intersubjective viewpoints allows for a unique perspective on understanding, measuring, and the evolution of cultures. The authors also discuss the importance of non-reductionist understanding of culture, new conceptualizations for understanding cultural behaviors, and influence.


This article addresses how cross-cultural competence (3C) can enhance proficiency in cross-cultural interactions and improve readiness in operational environments as well as provides insight into some of the current efforts being employed in the U.S. Department of Defense (DoD) to address such demands. Although cross-cultural competence has been known to enhance proficiency in cross-cultural interactions and improve readiness in operational environments, incorporating these skills in the cultural learning process for DoD personnel operating in joint, interagency, intergovernmental, and multinational contexts remains a nascent endeavor (Reid et.
al., 2012). Recent examples in the news demonstrate how a lack of 3C can markedly damage tenuous alliances between American and Middle Eastern allies seeking to collaboratively combat terrorism. These incidents not only jeopardize our relationship with those allies, consequently undermining growing relations, but further incense radicalized individuals, elevating the threat they represent to our troops. Consequently, these cultural blunders continue to place an exponentially higher number of American service members at risk. Hence, this article does not seek to provide an exhaustive review of the vast literature addressing cross-cultural competence. Instead, the foremost objective is to exemplify the value of 3C tenets in a combat environment—one in which the practical applications have significant relevance to the field of industrial-organizational psychology.


This piece is the result of a series of small group discussions intended to assess how language and meaningful cultural symbols impact dialogue, what factors make someone a relevant facilitator for successful cross-cultural negotiations or mediations, how to approach cultural differences, and how to enhance existing methodologies for positive outcomes. Throughout the piece, language is emphasized as an important component, but primarily as a vector for understanding culture, meaning, and setting the context for negotiations rather than as an end itself. Important takeaways include having members of the ‘in-group’ at the negotiation table as facilitators and employing feedback mechanisms to discuss how the process is working throughout the negotiation.


The Cross-Cultural Adaptability Inventory (CCAI) is a tool that was designed to assess an individual’s readiness to interact with members of another culture or adapt to life in another culture. This study addresses the validity of the CCAI. The authors begin by outlining the history of the CCAI and describing its current usage. The study examines the fact that, while the CCAI has been used readily in applied research and CCAI scores are often used to assess program effectiveness, there has been minimal study of the “psychometric proprieties of the instrument’s scores”. The purpose of the current study is to determine if the CCAI reflects the “hypothesized four-factor structure of cross-culture adaptability” proposed by its creators. In order to test their theory, the authors administered the study to 725 sophomore university students. The 50-item inventory was administered during a 30-minute time frame, and 709 students completed all items. The study found that “the four-factor model hypothesized to underlie the responses to these items did not fit adequately”. However, the authors did point out that this was a single study using a homogenous sample and that it would be wise for future studies to broaden the sample size and demographics. They also address the limitation of the validity of the CCAI and believe that, in the future, it should be more extensively tested and more refined before being used, especially for program evaluation purposes.

This chapter explores guiding principles in using measures to assess intercultural competence, in particular, the clear articulation of goals and objectives and the rationale for a multi-measure, multi-perspective approach. It also discusses other key issues in assessment of intercultural competence including the lifelong process of developing intercultural competence, the need to assess behavior, and using collected assessment information for further intercultural development.


This study employed an experimental approach in comparing Iranians' and Americans' decision-making processes and whether reasoning was influenced by core cultural narratives (i.e., moral stories often learned through religious texts or folk tales). The authors employed both closed and open-ended responses for this study of 364 Iranian high school and university students and 48 American university students. The scenarios were meant to evoke Iranian core cultural narratives. Findings indicate that these narratives did influence moral decision-making for the Iranian participants but not for American participants. Results suggest the need for further study of moral decision-making as related to cultural narratives both within and across cultures.


The purpose of this book (reprinted from the 1976 edition) is to tell the story of a responsible participant in the fiasco that resulted from the U.S. government’s efforts in the mid-1960s to sponsor social science research as an aid to the waging of counterinsurgency warfare. This book captures the history of Department of Defense (DoD) efforts to integrate social science during the Vietnam era.


The authors in this piece present arguments in favor of the inclusion of culture-general and cross-cultural competence (3C) learning points in language and culture training and education programs throughout the Department of Defense. Specifically, the article focuses on and supports the applicability of a curriculum and assessment model already developed at the Joint Base Lewis-McChord Language and Culture Center, Moran’s Cultural Knowings framework, as a potential starting point for programmatic curriculum development. The authors provide sample lesson plans from Moran’s framework to illustrate their points and call for additional collaborative effort and discourse within the Department of Defense to examine models such as Moran’s framework.

This empirical piece analyzes the effectiveness of BiLAT, a computer game-based training for bilateral negotiations for novices in an Iraqi cultural setting. In a relatively small study, 31 Soldiers were presented with pre- and post- situational judgment tests with an intervening paired negotiation exercise for cross-cultural interaction. Findings indicated that Soldiers performed better on the post-test than the pre-test, indicating their negotiation skills had increased as a result of the training exercise. Implications of this are increased flexibility in training due to the computer-based training format. Although training was useful in developing novice negotiation skills, it is not clear if the training would be effective for more seasoned negotiators as well.


This book explains to those living and working in another country how to identify and develop their cultural intelligence, or CQ. Cultural intelligence is an outsider’s natural ability to interpret and respond to unfamiliar cultural signals in an appropriate manner. CQ is distinguished by three core features: the head, or the ability to discover new information about a culture; the heart, or one’s motivation and confidence in dealing with a culture; and the body, or the capability to adapt actions and behavior so that they are appropriate in a new culture.


The authors of this book believe that, all too often, a misunderstanding of another’s culture can lead to devastating conflict. In order to counter this, the idea of cultural intelligence (CQ), or intelligence that reflects adaptation to varying cultural contexts, is presented. The authors seek to provide the reader with a framework for understanding cultural intelligence to help explain “why people vary so dramatically in their capacity to adjust to new cultures”. They stress the difference between emotional intelligence and cultural intelligence, stating that an individual with high emotional intelligence may be completely incapable of generalizing their abilities across cultural settings. The focus of this book is the development and exploration of CQ as a construct. The authors seek to define CQ and to “provide a general conceptual framework for its assessment and application into intercultural interactions”.


In this chapter, the author provides an overview of cultural intelligence (CQ), which is defined as a person’s capability to adapt effectively to new cultural contexts. According to the author, CQ is made up of three facets: cognitive, motivational, and behavioral, operating at three levels of specificity: universals, culture-specific, and idiosyncratic to the individual. The author explores how this CQ framework could be used to attempt to understand – or even predict – which individuals might be most effective in an international setting, such as in an international organization or when working overseas.

diversity and operational unity in multinational forces. *Armed Forces and Society*, 26, 73-97.

With its focus on multinational or coalition forces, this theoretical article examines how and why diverse forces may experience difficulty in working together while simultaneously finding strengths in such diversity. Cultural diversity was measured by individual U.N. service members’ national origin and Hofstede’s dimensions. The results indicated that similarities in military culture and integrative missions (e.g., joint operations, training) were factors that impacted positive outcomes for service members working with coalition forces. The authors also identified important questions for empirical testing that emerged from their research, including the need for study of national-cultural differences and subjective feelings of disparity and determining whether there is an international military culture.


The purpose of this study was to create accurate computer simulation characters representing differing cultural backgrounds. As part of this effort, the authors assessed different language styles between U.S. American culture and Arabic cultures, specifically focusing on how pauses in speech are utilized. They used Hofstede’s dimensions to create cultural profiles of speech. Through a series of audio and video recorded interviews with people from both cultures, the authors analyzed speech, silence, and feedback in order to create realistic cultural characters for virtual agents. Visually, the agents were culturally ambiguous, but speech patterns were culturally diverse. These agents were further tested with human subjects for their personal preference depending on their individual cultural origins. Preliminary findings indicated the extent to which the subject felt the virtual agent was realistic was associated with a similarity between their own cultural origins and that of the virtual agent’s. The authors concluded that this was reflective of accurate agent construction but felt additional research was needed.


This publication results from a NATO research task group composed of experts analyzing multinational coalition forces and the numerous associated culture-related issues they encounter from a theoretical and applied experience perspective. Using Hofstede’s dimensions, the authors provide a theoretical discussion on culture, focusing on the military as an institution and at the national level. They go on to address organizational factors, leadership structures, and multinational military teams. Implications include the need for cultural sensitivity training for all personnel, particularly as part of pre-deployment training. Additionally, the authors recommend embedding culture-related training within all training courses beginning at the most basic levels of development.
The authors first provide some background on cultural competence and its four approaches (i.e., benevolent multiculturalism, cultural understanding, education for cultural pluralism, and bicultural education) that have evolved through the literature. Two surveys were created – one to assess cultural literacy and one to assess cultural literacy training – and administered to two groups of Air Force military and civilian personnel. The questions addressed individuals’ knowledge of cultural competence as well as their desire to know more about/receive training in cultural competence. Results indicate that white males see less value in cultural literacy training and are less likely to change non-verbal behavior to adapt to a cross-cultural situation.

Previous research by the U.S. Army Research Institute for the Behavioral and Social Sciences (ARI) led to the development of a taxonomy of 13 dimensions that comprehensively define the sociocultural performance requirements for Soldiers on deployments or on assignments outside of the continental U.S. (OCONUS). The taxonomy describes what Soldiers must be able to do in order to perform successfully in these sociocultural environments. The taxonomy dimensions were used to develop a job inventory tool, the Cultural Performance Job Inventory (CPJI), which captures information about how important each of the dimensions is for a Soldier’s job and how frequently s/he engages in the activities when on a deployment or in an OCONUS position. CPJI data were analyzed from a sample of 4,592 active duty officers, warrant officers, and enlisted Soldiers across a variety of ranks and branches. Internal consistency reliabilities for the CPJI scales were high, ranging from .88 to .98, and an exploratory factor analysis suggested a parsimonious higher order factor structure. The importance and frequency of each of the dimensions for different rank groups and branches is presented and recommendations for further development and application of the CPJI are discussed.

Military personnel are increasingly required to demonstrate certain cultural and foreign language capabilities for successful mission accomplishment. This report summarizes research to identify the sociocultural components of mission performance and organize them in a single performance taxonomy that spans the full range of Army job requirements. The taxonomy was developed by analyzing two data sources: (1) existing task, activity, and behavioral statements, and (2) critical incidents of sociocultural mission performance gathered from existing databases as well as from interviews with Soldiers. The review of existing tasks, activities, and behaviors resulted in a draft taxonomy with 13 categories of sociocultural performance. Content validity was evaluated using a retranslation exercise, and support was found for 9 of the 13 performance categories. Three
categories, labeled Builds Relationships, Demonstrates Cultural Awareness, and Works with Interpreters, were used most often in the retranslation exercise. Recommendations for modifications to the model are provided, and applications of the findings for decisions regarding the education and training of Soldiers are discussed.


Designed to serve as resource for those developing and delivering culture instruction as well as for the military practitioner, the guidebook provides concepts and skills that are applicable regardless of location. The authors took both a multidisciplinary (anthropology, cultural geography, intercultural communication, etc.) and collaborative (across the services) approach to ensure the content is rooted in the best available contemporary science – focusing on culture as how people live rather than a set of structures that people live in. The guidebook is organized into three main sections: (1) an introduction to and historical overview of the Department of Defense’s cultural capability, (2) culture general concepts, and (3) culture general skills (for both thinking and interacting), followed by several appendices that offer the reader a variety of references, recommended resources, and teaching tools.


This sourcebook examines both the principal methods used in cross-cultural training and a selection of techniques and instructional devices. Six methods are examined in twenty articles: role plays, contrast-culture training, simulation games, critical incidents, the culture assimilator, and case studies. In each, a lead article traces the development and use of the particular method; several articles then offer specific applications. *Intercultural Sourcebook* provides both a framework for conceptualizing the training methods covered and guidelines for applying them in one’s own work. Each article is written by an experienced trainer.


As the introduction to this issue, the author of this piece highlights the need for cultural awareness training for all Soldiers. He presents a historical foundation of similar training dating back to WWII but calls for an increased attention to cross-cultural interaction instruction Army-wide, emphasizing the need for the cooperation of local populations to have mission success. Finally, he suggests integration of cultural awareness into the ‘instructional fabric’ of the Infantry School and Army organization.


In an effort to empirically connect trust and culture, the authors of this study employ an electronic version of the Investment Game, a two-player game involving a distribution of coins and
opportunities for each player to violate the other’s trust through multiple rounds of play. This study examines the impact of trust violations, their dissolution and recovery, and the impact of cultural orientation on recovery outcomes. Specifically, this experiment involved both small and large trust violations and an analysis of slow and fast trust recovery utilizing Hofstede’s individualist/collectivist cultural orientations. Findings indicate that collectivistic trustors have less tolerance of large trust violations and engage in negative behaviors toward those who commit these violations than do individualistic trustors. This has implications for the study of intercultural relations involving differing cultural orientations and the impact of trust violations and culture on teamwork, leadership, and conflict de-escalation.


The focus of this chapter is to highlight current trends and recent advances in the conceptualization and assessment of cross-cultural competence. The authors begin with a discussion of the different competency models of 3C and address some of the limitations and challenges that coincide with the development of these models. For exemplary purposes, the authors provide an analysis of the DLO 3C framework, in which they attempt to assign assessment methods to various components of the model with mixed success. The authors also state that the majority of extant measures that purport to assess 3C are flawed and disproportionately reliant on self-report methodologies. As such, it is suggested that future assessments should strive to broaden the measurement spectrum to include antecedent and outcome variables as well as explore more “dynamic” means by which to assess 3C.


This piece is an analysis of a computer-human interface agent referred to as the Personality Utility Rule Based (PURB) Agent, composed of a model of behavioral traits, a function that combines those traits with future outcomes and individual reasoning and, finally, heuristics that guide the computer toward the best possible strategy. The article outlines, in detail, how the game is played in theory as well as how it was played in this particular instance. There were mixed findings of performance across cultures. In the U.S., the game was able to adapt a negotiation strategy that allowed it to outperform people whereas this was not the case in Lebanon. The authors suggested that these differences were due to variation in reliability and codependence of human participants across cultures. In order to create a computerized negotiation agent that performs more effectively than people, cultural differences must be taken into consideration.

This chapter is a review of the *Handbook of Cultural Intelligence: Theory, Measurement, and Applications*. The handbook includes numerous articles about the role of cultural intelligence (CQ) in everyday life and the promise of CQ to thoroughly transform the cultural competency literature. The chapter specifically speaks to the key contributions that the handbook as a whole makes to the study of CQ and discusses questions and controversies that may arise as CQ becomes more common practice. The chapter highlights the key contributions of CQ, as well as a variety of innovative models, and then tries to dispel some of the ‘can do no wrong’ assumptions surrounding the CQ field. Overall, this chapter provides a concise, yet in depth, analysis of current work and research related to CQ as of 2008, advocates for the continued use of CQ and CQ testing in future research, and warns readers against viewing CQ as a “be all and end all” approach to understanding performance in cultural contexts.


The author of this piece lays the theoretical foundations to connect denial and deception (D & D) and culture. He utilizes existing literature from psychology and anthropology to support the assertion that differences in perception, cognition, and decision making across cultures give rise to differences in D & D techniques. His basic argument is that reasoning and perception have been linked theoretically to culture and are both linked to D & D and that there must also be a link between reasoning and perception and D & D. He provides some support for this argument by pointing out cultural differences in understanding and analysis of local environments by individuals. In order to use counterintelligence effectively, it is important to understand cultural differences, especially with respect to how people perceive and respond to their environments.


Vanessa Gezari is the only journalist to have gained access to the lives of people inside the controversial Human Terrain System (HTS). The main narrative of this book follows the fourth HTS team, AF4, sent to Afghanistan in September 2008. AF4 was composed of Mike Warren, a former Marine infantry officer and the team leader, Clint Cooper (research manager and fluent Pashto speaker), social scientist Paula Loyd, Don Ayala (a former Special Forces Ranger), and Tim Gusinov (a Russian who had advised Soviet troops in Afghanistan). AF4 was embedded with soldiers from the 2nd Battalion, 2nd Regiment of the Army’s 1st Infantry Division, based in Kandahar, but most of the social scientists’ work took place in Maiwand. Gezari depicts AF4’s activities in Maiwand Province, Afghanistan, as well-intentioned but deeply misguided.


This research examines cultural differences in negotiators’ responses to persuasive arguments in crisis (hostage) negotiations over time. Using a new method of examining cue–response patterns, the authors examined 25 crisis negotiations in which police negotiators interacted with perpetrators from low-context (LC) or high-context (HC) cultures. Compared with HC perpetrators, LC perpetrators were found to use more persuasive arguments, to reciprocate persuasive arguments in the second half of negotiations, and to respond to persuasive arguments in a compromising way.
Further analyses found that LC perpetrators were more likely to communicate threats, especially in the first half of the negotiations, but that HC perpetrators were more likely to reciprocate them. The implications of these findings for our understanding of intercultural interaction are discussed.


The purpose of this article is to determine whether inter-cultural competencies are culture-bound or culture-free. The studies were completed in the United States and Germany with a sample of 177 students, since students were considered educated professionals likely to be sent on expatriate assignments. Findings indicated that national culture had a significant impact on several inter-cultural competencies and that an individual who is successful in his or her home country may be inappropriate for an international assignment. For example, someone who is very motivated and productive and an effective problem solver may be very successful in rising to the top in the home company, but he or she may be less appropriate for intercultural tasks, which require different sets of skills (e.g., sensitivity, empathy, etc.). As a result, the screening and selection procedures for international assignments should be somewhat independent from an individual’s past success in the home company. Limitations to this study include the fact that only two Western nations are considered.


The authors of this piece describe the development of a predictive modeling tool called Simulation of Cultural Identities for Prediction of Reactions (SCIPR), which is designed to forecast shifting local identities in order to wage successful counter-insurgency campaigns. SCIPR was developed by entering regional and population-specific information into a database, then linking that information conceptually to social identity and social influence theories. The result is an agent-based computer simulation based on artificial societies and includes a prototype for predicting both local identity and opinion change in theater.


This project examines the sophisticated cultural toolkit deployed by contemporary U.S. military advisors to successfully build productive relationships with foreign security forces, advance the advising mission, and survive combat. This project’s data stems from a three-part multi-method, including a survey conducted in Iraq; a document analysis; and interviews. This article focuses on numerous sub-themes that coalesce to vividly divulge an intriguing story about how contemporary advisors build relationships with counterparts, including avoiding an “Ugly American” approach, how cross-cultural competence benefits the mission and increases survivability, learning about counterparts, the power of informal socializing, employing humor, navigating taboo topics, cultural stretching and associated limits, diplomatically balancing strengths and subtlety, and taking physical and cultural risks. This project argues that effective advisors deploy a multifaceted
cultural toolkit filled with peacekeeper-diplomat, warrior, subject matter expert, innovator, leader, and other tools, which reveals broader organizational changes indicative of emergent post-modern U.S. military culture.


After discussing the importance of cross-cultural competence in today’s operational environment, the author suggests the military focus on internal cultural diversity challenges, such as religious tolerance and attitudes toward both female and gay service members. He suggests that continuing to work on these internal issues will allow for enhanced cross-cultural competence for interactions with people external to the organization. The framework for cross-cultural competence emphasizes a culture-general approach with additional culture-specific training as needed. The author presents suggestions for alleviating some of the internal diversity issues, such as educating people on the meaning of culture, increasing self-awareness, and identifying biases linked to diverse cultures.


Today, the importance of intercultural competence in both global and domestic contexts is well recognized. Bennett posited a framework for conceptualizing dimensions of intercultural competence in his developmental model of intercultural sensitivity (DMIS). The DMIS constitutes a progression of worldview “orientations toward cultural difference” that comprise the potential for increasingly more sophisticated intercultural experiences. Three ethnocentric orientations, where one’s culture is experienced as central to reality (Denial, Defense, Minimization), and three ethnorelative orientations, where one’s culture is experienced in the context of other cultures (Acceptance, Adaptation, Integration), are defined in the DMIS. Based on this theoretical framework, the Intercultural Development Inventory (IDI) was constructed to measure the orientations toward cultural differences described in the DMIS. The result of this work is a 50-item (with 10 additional demographic items), paper-and-pencil measure of intercultural competence.


The authors of this conceptual piece present a description of culture based on Maslow’s hierarchy of needs. Using this as a foundation for their argument, they describe a model for advancing research in the field, and they address the difficulties associated with measuring cultural competence. They highlight a number of components that are particularly relevant for study, including sense of self in time, communication and language, physical appearance, and perceptual and learning processes as well as beliefs, customs, and traditions. Finally, the authors describe the operational need for cultural research for military applications. Important considerations for cultural training include the hierarchical organization of the military, the nature of contemporary operations, and the emphasis on stability operations.
This paper presents an elaborate overview of the research and literature examining the skills, attitudes, and personality traits that relate to an individual’s cross-cultural effectiveness. A review on personality traits that negatively correlate with cross-cultural effectiveness is also presented. Selection and training implications are discussed. The author suggests that further research should clearly and consistently define terms and should examine various methods of training intercultural effectiveness. Finally, future research should examine how situational factors interact with cross-cultural functioning and how this differs from the interaction of skills and personality traits.

RAND developed a program to teach cross-cultural skills to Air Force service members by creating a taxonomy of behaviors relevant to cross-cultural performance. Researchers divided the taxonomy into nine categories of enabling behaviors and five categories of goal-oriented behaviors. Enabling behaviors (e.g., foreign language skills, social etiquette, managing stress) facilitate daily activities needed in many jobs, whereas goal-oriented behaviors (e.g., establishing authority and credibility, influencing others) may be more mission-specific. Researchers surveyed approximately 21,000 previously deployed Airmen to understand the importance of each category and understand how much training they received in each category. Recommendations for an extensive cross-cultural training program were provided.

As extensive, military-wide language training and cultural immersion are not feasible due to cost and time constraints, this author proposes a culture-general framework, consisting of a general model of society and a list of questions individuals can ask in order to understand local cultures more effectively, increasing their cultural competence. This is meant to be utilized on the ground as an adjunct to formal training. The model of society is based on existing research that covers a variety of interrelated societal constructs, including political systems, social institutions, groups and identity, how decisions are made, key ideas, social norms, major influences, and social interaction. The questions are open-ended and must be tailored for the specific operational context. The author advises that cultural understanding of this kind is a long-term developmental process for operators.

LTC James Higgins, USMC, trained for months to cross the border from Kuwait into southern Iraq in 2003. He and his team rigorously prepared for what might greet them when they entered Iraq. However, one key element proved to be missing from their arsenal – knowledge of the people who awaited them. Higgins notes that cultural awareness on the battlefield can save lives and help win
battles in the short term, but he also believes that long-term cultural education of the troops needs to begin at the inception of their careers. The author provides recommendations for what can be done in the future to better prepare and educate Marines about culture and how to be culturally aware.


Hofstede explores differences in thinking and social action between members of 40 different modern nations and provides evidence of similarities and differences among culture patterns, some of which have very long historical roots. Hofstede argues that people carry ‘mental programs’, which are developed in the family during early childhood and reinforced throughout their lives. These mental programs contain a component of national culture and are demonstrated through the different values and beliefs that exist among people from different countries. Hofstede identifies four main dimensions - Power Distance, Uncertainty Avoidance, Individualism, and Masculinity - around which dominant value systems in the 40 countries can be organized and which affect human thinking, organizations, and institutions in predictable ways. The data used in this research came from existing survey results collected during the late 1960s and early 1970s from a large multinational business with locations in 40 countries. Over 116,000 questionnaires were collected, with additional data collected from managers participating in international management development courses unrelated to the first business. This book shows how countries, on the basis of their scores on the four dimensions, can be divided into culture areas and the historical reasons that may have led to cultural differentiation between the areas.


Cross-cultural competence emphasizes not only building specific skill sets such as language proficiency or negotiation skills but also changing the military’s attitudes to other cultures by emphasizing the value and importance of cultural skills for successful military operations. In contrast to developing cultural skills, the task of shifting cultural attitudes is a far more complex process. Using empirical data from a survey of 2,406 Marines, this paper seeks to identify some of the social, demographic, and experiential factors that influence military service members’ attitudes to the value of culture in military operations. The authors found that of the demographic factors tested, only education and commissioning were positively related to attitudes. The greatest predictors were experiential factors: language skills, a multicultural background, travel experience, and frequency of interaction with the local population during a previous deployment. Deployment alone was not a predictor. Cultural training was not related to attitudes, although satisfaction with the cultural training was a predictor of positive attitudes.


In response to the irregular warfare challenges facing the U.S. in Iraq and Afghanistan in 2005, General James Mattis—then commander of Marine Corps Combat Development Command (MCCDC)—established a new Marine Corps cultural initiative. The goal was simple: teach
Marines to interact successfully with the local population in areas of conflict. The implications were anything but simple: transform an elite military culture founded on the principles of “locate, close with, and destroy the enemy” into a “culturally savvy” Marine Corps. This book examines the conflicted trajectory of the Marine Corps’ effort to institute a radical culture policy into a military organization that is structured and trained to fight conventional wars.


This book draws together the experiences of 22 field grade military officers from the U.S. Army, Navy, Air Force, and Marine Corps as well as Canada and Australia. All of the officers wrote a succinct summary of the cultural challenges that they faced in a previous operation along with an explanation of the lessons learned as a result. These essays provide detailed illustrations of how specific cultural factors had a direct impact on the success of military operations. This book is one of the volumes in the series that also includes *Operational Culture for the Warfighter* and *Applications in Operational Culture*.


This book is a comprehensive planning tool and reference that addresses the critical need of the Marine Corps to provide operationally relevant cultural teaching, training, and analysis. This book links social science paradigms to the needs of Marines using an applied anthropology approach. The text explains how fundamental features of culture (environment, economy, social structure, political structure, and belief systems) can present challenges for military operations in different cultures around the globe. This book further draws upon the research and field experiences of Marines themselves and uses case studies from past and present cross-cultural problems to illustrate the application of cultural principles to the broad expeditionary spectrum of today’s and tomorrow’s Marine Corps. This book is intended for use by Marine leaders at all levels of professional military education, planning, and operating.


The authors of this article note that future operating environments are going to require an increasingly culturally effective Marine Corps that must understand the cultural dimensions of war. In the past, culture training has been reactive. The authors posit that what is needed is a proactive training approach where cultural factors are incorporated into the Marine Corps Planning Process (MCP). The article offers step-by-step recommendations as to where and when culture should be integrated into the MCP. The recommendations are based on the authors’ experiences, research, and observations while developing and conducting planning exercises for the Marine Air-Ground Task Force and teaching and applying culture to the military planning exercises at Marine Corps University.

This book provides six essays on the applications of operational culture to current and future operations. The collection represents the on-the-ground field experience and lessons learned of five US Marine Officers and one Australian Army Officer. These officers possess an in-depth knowledge of cultural issues within their areas of operations, as well as a sound understanding of social science research and concepts, which they use to make sense of their experiences. As a result, this unique set of essays not only applies to current operations but also serves as a guide to preparing for and understanding future conflicts.


In this article, the authors move beyond an approach to understanding culture that favors short-term culture-specific responses to immediate mission needs. They argue that, in today’s expeditionary environment, Marines also need to understand culture-general principles and to develop a framework of cultural analysis applicable to Marine operations in any environment. The authors clearly define their concept of operational culture and discuss each of the components of their five-dimensions of operational culture framework: physical environment, economy, social structure, political structure, and belief systems. The authors explain the relevance of each dimension to military operations and note that, although specific details will vary across regions, the overarching categories are applicable to any culture anywhere in the world. The authors fully expect the framework to evolve as Marines provide feedback based on their experiences, but they present the five dimensions as a practical conceptual approach for Marines operating in any foreign environment.


This is a textbook designed to help operationalize culture by linking cultural concepts to the realities of planning and executing military operations around the world. The book is centered on the concept of ‘operational culture’ which is defined as “those aspects of culture that influence the outcome of a military operation” and “the military actions that influence the culture of an area of operations”. The book has three goals: (1) to provide a theoretically sound framework of five dimensions of operational culture (physical environment, economy, social structure, political structure, and belief systems) which are relevant to military operations, (2) to apply these cultural principles to actual environments to which Marines and other military personnel deploy showing how they can be applied across the range of military operations, and (3) to develop Marines’ ability to think systematically about culture and apply this thinking in PME and predeployment training.


This edited volume, based on Hofstede’s work, explores the relationship between culture and leadership and is truly a global endeavor that includes over ten years of research and data analysis in workplaces around the world. The project was undertaken and reported by over 170 scholars across multiple industries, including financial services, telecommunications, and food processing.
With an emphasis on specific methodologies, this work was compiled by scholars from many different cultures. The book includes a theoretical foundation for the study, literature review materials, multiple chapters on specific research design, and detailed reports of the findings with an eye for future studies needed. This study provides empirical support for Hofstede’s theoretically derived cultural dimensions.


While warfighters had a computational aid support system for battlefield tactics, at the time of this writing, there existed no complement for mitigating cultural tensions and fostering relationships via a handheld electronic device. This piece describes how a system such as this could increase personnel effectiveness in cross-cultural situations and explains not only how it would work for individual situations but also ultimately how networked devices could create a picture of the cultural landscape. An individual enters situational information, and a suggestion for an appropriate response is generated by the device.


This chapter considers cultural challenges in the operational environment and negotiating in indigenous cultures, both of which add new dimensions to military’s missions in Eurasia and elsewhere. Operating in a Joint, Interagency, Intergovernmental, and Multinational (JIIM) environment requires a new more sophisticated set of skills that are very different than those required by traditional war fighting. This new dimension is essential for winning hearts and minds of the populace of regions and countries which are of strategic importance to the US and its allies. Before considering the cultural considerations in negotiations, the factors which influence them in indigenous operating environments, definitions are provided of negotiations and their cultural and related aspects.


Soldiers and leaders must possess a sufficient level of cross-cultural and regional competence to effectively accomplish duties at their assigned level and to have the cognitive, interpersonal, and cultural skills necessary to make sound judgments in these complex environments. The centers of excellence (CoEs)/schools will leverage the capabilities at their disposal to establish the initial foundational training and education for leaders to be able to competently and confidently lead Soldiers. This includes the introduction and development of a basic awareness in languages, regional expertise, and cross-cultural competence. In order to build and sustain an Army with the right blend of culture and foreign language capabilities to facilitate unified land operations, we must leverage existing professional military education (PME) programs, organizational and functional training, and continuous lifelong learning capabilities through a combination of
education, training and experiential opportunities to attain a level of understanding and expertise, at Full Proficiency Level and Master’s Proficiency Level expertise. As the Army determines how to best continue implementing the Army Culture and Foreign Language Strategy (ACFLS) and future CREL Strategy, we can continue leveraging the current Leader Development Strategy that serves as a basis for our existing instruction within our CoEs to ensure continued growth of our leaders. Cross-cultural training and education should build on the foundation of an individual’s existing leader attributes which in turn reinforces the core leader competencies of leading others, developing oneself, and achieving results. For the CoEs and Army University Culture, Regional Expertise and Language Management Office (CRELMO), the development of cultural and regional awareness and/or understanding at the Basic to Full Proficiency level will be the principal objective. Introduction to a foreign language (basic phrases and elemental proficiency) is a supporting effort. In order to achieve a higher level of cultural understanding, expertise, or language proficiency, individuals will need to leverage other PME, civilian education, and self-development programs.


Two studies examine the impact of cultural intelligence (CQ) on intercultural negotiation effectiveness. The first study utilizes online surveys and found that individuals with higher CQ had higher cooperative and epistemic motivation than those with lower CQ. The second study used surveys and a negotiation simulation to examine whether dyads (Asian and Western European descent Americans) with higher overall CQ would engage in more sequences of integrative information behaviors and cooperative relationship management behaviors when negotiating, thus leading to higher joint profit. The findings are consistent with this prediction, wherein higher overall dyad CQ predicted these behaviors, which, in turn, predicted joint profit. Study 2 examined other individual differences, including forms of intelligence and various personality traits, and their impact on the negotiation process, yet no characteristic significantly improved upon the sequences of integrative negotiation behaviors.


Emphasizing the importance of interdisciplinary work in solving problems, the authors of this piece examine various approaches to the conceptualizations, methodologies, and research questions asked across disciplines with respect to cross-cultural interactions. This book chapter is primarily a descriptive piece, covering key works from disciplines such as legal anthropology, experimental economics, and international relations, among others, in order to gain new insights into understanding culture, conflict, and negotiation. They conclude by noting the strengths of integrating disciplines and also address the difficulties of inter-disciplinary work, such as differing cultures, worldview, and priorities of differing paradigms. The main take away of the chapter is that culture, conflict, and negotiation are complex topics that require inter-disciplinary work for understanding and solving difficult problems associated with them.

interpreting the cultural landscape. Quantico, VA: Center for Advanced Operational Culture Learning.

This paper, a collaboration between authors from the Translational Research Group of the Center for Advanced Operational Culture Learning (CAOCL) and the U.S. Naval War College, focuses on a technique needed by Marines in order to learn quickly about an area of operations (AO). Specifically, Marines need to be able to ‘read’ (or see and interpret) the cultural landscape. The cultural landscape is defined as the appearance of an area and the particular way its parts have been arranged to produce that appearance. The first section of this paper presents guidelines on how to ‘read’ or see and interpret the landscape drawn from techniques and principles commonly cited by human geographers. Section two presents common landscape features and the sorts of information they can reveal to Marines. Section three provides brief examples of how cultural landscape interpretation can be applied in Afghanistan, and section four presents some considerations for training Marines.


The US Marine Corps has traditionally been one of the most innovative branches of the US military, but even it has struggled to learn and retain lessons from past counterinsurgency wars. This book highlights the clash between strategic culture and organizational learning through the US Marine Corps’ long experience with counterinsurgency. Johnson first examines what makes the Marines distinct – their identity, norms, values, and perceptual lens – by using a framework for analyzing strategic culture. Next, she traces the history of the Marines’ counterinsurgency experience from the expeditionary missions of the early twentieth century, through the Vietnam War, and finally to the Iraq War. She shows that even a service as self-aware and dedicated to innovation as the US Marine Corps is significantly constrained in the lessons-learned process by its own internal predispositions. Even when internal preferences can be changed, ingrained biases endemic to the broader US military culture and American public culture create barriers to learning.


This article takes an in depth look into the transfer of knowledge across cultures. The authors posit that we transfer knowledge via a seven-stage process of learning and that we learn from experience in cross-cultural settings “to understand the cross-cultural knowledge transfer”. To illustrate this process, the authors explored cross-cultural knowledge transfers (CCKT) as a learning process and provided a comprehensive model of transfer. The authors believe that, at the heart of successful cross-cultural knowledge transfers (in the business arena, for example), there is a manager who possesses a variety of skills including the ability to adapt to a new host culture. They believe that, by choosing a good manager who possesses these skills, the most effective CCKT can take place. The authors outline an essential list of core competencies they believe are necessary for successful CCKT between cultures, which include valuing other cultures, building relationships with locals, listening and observing, coping with ambiguity, translating complex ideas, taking action, and managing others. The authors believe that effective managers and executives can become better at CCKT and thus managing their subordinates if they can work through this dynamic process to develop their skills.
Set in the context of peacekeeping and the need for the military to maintain friendly relations with local populations, the goal of this study is to create a quantitative operational model to show how the behavior of Soldiers and host nationals impacts their respective cultural values and perceptions of each other. The authors aim to fill a gap left by mainly descriptive models and to create a tool for providing realistic predictions of behavior and perceptions over a wide range of scenarios. The model is designed to provide input into the decision-making system of a robot or to be used as part of a training or assessment tool. In particular, the authors note the importance that robots with partial or perceived autonomy can play in social interactions and state that this will be the focus of future research.


International leadership becomes increasingly important as an organization begins to expand globally, yet little research has examined the antecedents of international leadership potential. Previous research has led to inconsistent conclusions regarding the relationship between intercultural contact and international leadership potential. The authors used aspects of contact theory and cultural intelligence theory to create a moderated mediation model of international leadership potential. The model predicts that minority status will moderate the relationship between intercultural contact and international leadership, while cultural intelligence will mediate the relationship. They predict that prior intercultural contact is an antecedent positively related to cultural intelligence and that cultural intelligence will be positively related to international leadership development. Two different studies found support for all hypotheses, concluding that the moderated mediation model of international leadership potential has both theoretical and practical implications.


This report provides a preliminary examination of how negative cross-cultural experiences influence Soldier learning and development. Specifically, the authors address the psychological, sociological, and organizational conditions that may impact how Soldiers perceive and process negative experiences as well as the extent to which Soldiers can continue to develop and hone their cross-cultural skills following such experiences. This includes discussions of (1) the precursory conditions that may serve to either facilitate or hinder one’s ability to learn and develop from negative cross-cultural experiences, (2) the in situ processing of negative experiences themselves (i.e., the cognitive processes that are likely to impact learning and skill development while the
event is taking place), and (3) the ways by which Soldiers may begin to recover from a negative cross-cultural experience once it has already occurred.


This brief article offers culture-specific behaviors and expectations for U.S. Department of Defense professionals engaging with Middle Eastern partners. Americans may experience extraordinary hospitality, indirect or subtle communications, and use of intermediaries to resolve conflicts, among others. The author suggests that, through experience and heightened attention to communications, mutual expectations may be managed most effectively in cross-cultural exchanges.


Directed toward an audience in leadership positions, this article provides a discussion on the need to go beyond linguistics to understand subtleties in communication in interactions with Middle Eastern counterparts. Although still the subject of debate, this author suggests that while some Americans and Middle Easterners have improved in their abilities to understand one another in cross-cultural situations, differences in culture require personnel to go beyond their own local cultures to understand deeper meanings in communication. He suggests that social conditioning and ethnocentrism can prevent a rich understanding of communicative exchanges; people should be cognizant of their own biases in order to gain the most from verbal and behavioral communication. Finally, the author provides culture-specific comparisons between American and Middle Eastern cultures and a series of vignettes to support his point.


Under the premise that foreign language skills and cultural expertise are critical for today’s military and indeed save lives, this report examines DoD’s efforts and progress towards addressing a gap in language proficiency and cultural competency as of 2008. The report states that since the US education system does not promote the teaching of foreign languages, DoD must advance a national education agenda that encourages states to recognize the vital importance of language skills and cultural awareness. The report reviews numerous initiatives and finds that DoD and the Services sometimes have different goals. For DoD, the aim is to create foundational language and culture skills in the military, whereas for the Services there is more focus on cultural awareness. The report suggests that DoD work more closely with the Services to align their understanding of the language skills required by today’s military.

The *Handbook of Intercultural Training* provides a thorough grounding in the history, concepts, and methods underlying intercultural training. This handbook is written by the leading authorities in intercultural studies and offers a summary of research and information on specific training techniques. It analyzes regions of the world where intercultural issues have heightened, such as China, Eastern Europe, and Central and South America. Other parts of the book examine theoretical and methodological issues inherent in understanding intercultural interactions and training and the contexts in which training takes place.


This paper argues that intercultural competence requires metacognitive maturity or a heightened sense of self awareness, the ability to self-assess, enhanced perceptive abilities, and a proclivity to reflect on experience. Immersive learning environments and intelligent tutoring can be used to promote these skills through a combination of experience manipulation and explicit guidance techniques. Examples of potentially effective immersive learning environments include Tactical Language and Culture Training System (TLCTS) and the ELECT BiLAT games. According to the authors, most of the computer simulations built for cultural education have not been evaluated rigorously for learning or intercultural development. Their suggestions for future research include the use of existing intercultural development metrics for evaluating learning in immersive environments and the establishment of optimal conditions for acquiring intercultural competence.


The authors of this piece provide a conceptual discussion around the development of an intercultural interaction training simulator, specifically focusing on this sort of communication as less than well-defined and the problems it raises for development of an effective teaching tool. In these sorts of domains, narrative has been utilized for training in an effort to develop tacit knowledge usually gained through experience. The authors go on to explain how this approach is incorporated into the ELECT BiLAT training program, from pedagogical content to coaching and feedback and, finally, reflective tutoring. At the time of this writing, a finalized version was being tested and rated against a situational judgment test; however, the findings are not reported in this article.


The authors of this study identified that there is a significant increased cost associated with sending managers of companies on foreign assignments and that this cost increases exponentially when there is a failure due to loss of business or poor preparation. In order to deal with this problem,
many companies have begun to invest in cross-cultural training for their employees, and some also
now choose which employees are assigned to foreign locations based on how successfully they
master cross-cultural training. Although this process has helped to some degree, selection is still
often largely intuitive and unsystematic. The authors created a study to examine the validity of “a
broad set of predictors for selecting European managers for a cross-cultural training program in
Japan”. The study found that openness is significantly related to cross-cultural performance,
cognitive ability is significantly correlated with language acquisition, and overall, the validity of
the predictors is encouraging. However, the study has a number of the limitations. First, all
participants were European, so it is unclear whether the results are due to the use of non-North
American managers or the cross-cultural training program. Second, sample size was relatively
small. The authors warn that the findings should be interpreted with caution and that more research
is needed to confirm their findings.

jungle? The effects of cultural intelligence and emotional intelligence on cross-cultural
adjustment. *International Journal of Intercultural Relations, 36*, 541-552.

With many people working or living abroad, it is important to understand what sort of individual
characteristics aid in cross-cultural adjustment. Adjusting to the customs and environment in an
unfamiliar culture may lead to psychological stress. Thus, selecting appropriate individuals for
overseas assignments becomes crucial for individual and organizational success. The authors
hypothesize that cultural intelligence (CQ) and its four sub-dimensions have positive effects on
cross-cultural adjustment and that emotional intelligence (EI) positively moderates the relationship
between the two. A questionnaire consisting of CQ and EI questions as well as a cross-cultural
adjustment scale was given to international students. After accounting for control variables, both
hypotheses were supported. Future research should further examine EI as it relates to performance
in and adjustment to cross-cultural contexts.

preparation: A critical analysis of 25 years of cross-cultural training research. *Human

Although cross-cultural training (CCT) has many uses, this article focuses on the past 25 years of
CCT research and how it is being used to aid in expatriate preparation (and prevent failure). The
research shows that many expatriates who work aboard for employment reasons are not efficient at
managing in a different culture. A lack of CCT for expatriates has many costs for both the
individual and the organization/nation they represent. Studies conducted within the past 25 years
often fail to use comparison groups, pre-training/post-training testing, random assignment, and
other variables that satisfy the criteria for reliable findings. Additionally, CCT research lacks a
unifying theoretical framework, and measures (such as effectiveness) are given many definitions,
leading to an overall inconsistent body of research. The components of a CCT program and how it
is delivered and CCT moderators are discussed. Finally, recommendations for future research and
improvements for CCT are outlined.

The purpose of this article is to present the best practices of cross-cultural training (CCT) in terms of what organizations are doing and what they should be doing. In presenting the best practices, the following questions will be investigated: (a) why is CCT an important research domain? (b) what is the general purpose of CCT? (c) how is CCT designed and delivered? (d) which CCT strategies are organizations currently implementing? (e) what guidelines can be offered to organizations offering CCT? and (f) what additional research is needed? This article contributes to existing CCT research by providing a condensed set of guidelines instructing organizations on the techniques necessary for maximizing the benefits of CCT.


This article argues that traditional cultural pre-deployment training is insufficient and that, in order to be successful in the Global War on Terror (GWOT), the USMC must institutionalize a mandatory Cultural Education Program (CEP) for its officers based on continuous professional military education (PME). Two different CEPs are described, as are arguments against increasing cultural training – such as lack of time. In the final analysis, the author posits that mission accomplishment in GWOT and other fourth-generation wars requires a much greater understanding of the cultures and countries where they are being waged.


This report summarizes all of the accomplishments under the Office of Naval Research project titled “Cultural Influences on Intertemporal Reasoning”. They include the conference presentation of the same name along with two other presentations, one titled “Intertemporal reasoning and cross-cultural decision making” and another “Observations on the concept of risk and Arab culture”. Papers and reports were also produced as a result of this project. They are as follows: Arab cultural influences on intertemporal reasoning, Intertemporal reasoning and cross-cultural decision-making, Observations on the concept of risk and Arab culture, Pashtun social structure: Cultural perceptions and segmentary lineage organization, and Cultural influences on intertemporal reasoning: An annotated bibliography. Abstracts to each of the reports are included in this final report.


This annotated bibliography, with an emphasis on Arab cultures, is part of an Office of Naval Research project titled “Cultural Influences on Intertemporal Reasoning” and is the basis for the foundation of the literature review for the entire project. MacGregor, D.G. (2011) and MacGregor, D.G., Godfrey, J.R. (2010) are two of the publications arising from this work.


The importance of cultural awareness in the application of military science has been recognized for centuries. Scholars from Sun Tzu in the 6th century to Clausewitz in the early 19th century...
acknowledged that a strong grasp of an adversary’s values, beliefs, and behaviors was a crucial ingredient in the recipe for victory on the battlefield. Indeed, militaries throughout history have looked to their intelligence sectors for assistance while planning at the tactical, operational, and strategic levels. Although it is widely acknowledged today that military personnel represent a population whose missions are directly impacted by cultural complexity, the forms of intercultural training in which they participate are as varied as the definition of culture itself. This is due, in part, to the wide range of missions across the US military, the hierarchical rank structure, and the variety of military occupation specialties which mandate a broad, multidimensional approach to intercultural training. The major features and outcomes of this training are highlighted along with the historical context from which the current state emerged.


This chapter emphasizes the importance of incorporating the lived experiences of professional students into the instructional design process. In an increasingly online educational world, this chapter contributes to the ongoing conversation about intentional design by putting forth a formula for course development. In doing so, the authors examine the diverse cultural practices of military students in an on-line intercultural communication course offered by the Community College of the Air Force and draw from a cultural community of over 2,000 military students who have written about their cross-cultural experiences in the course wiki. Using Situational Judgment Tests as key teaching and learning tools for this course has led to a culture-specific, communication skills-centered, and military appropriate design formula for the online military culture classroom.


A fundamental assumption of this essay is that effective intercultural communication is a strategic enabler of micro-level international security. It will be argued in three parts that the knowledge and skills at the heart of the field of intercultural communication are a natural platform for advancing international security. First, an explanation is offered for why current PME course offerings do not sufficiently address the pressing need our military has for improving the quality of intercultural communication. Next, an overview is provided of the specific communication skills that are research-proven predictors of cross-cultural competence. Finally, a framework is offered for institutionalizing intercultural communication into Professional Military Education.


This article details a case study of 520 Airmen entering an “Introduction to Culture” course offered by the Air Force Culture & Language Center (AFCLC), over half considered themselves either “not at all effective” or “only somewhat effective” in their ability to communicate with people
from other cultures. Only four percent of students felt that they understood the rules for expressing non-verbal behaviors in other cultures. Despite the perceived need for cross-cultural competence (3C) knowledge and skills on the part of military personnel, the Department of Defense (DoD) has not yet mandated 3C in its professional military education. Offering an introductory level, distance learning course provides a venue by which Airmen may gain exposure to the field of 3C prior to (and during) overseas deployments, at the time and place of their choosing. The “Introduction to Cross-Cultural Communication” online course is a fundamental component of a university-wide effort to transform how culture is taught at Air University. This chapter begins with defining the field of 3C and explaining how the course has applied key concepts and skills from the field of 3C to help Airmen become more 3C. The chapter also looks at the success the course has had in terms of creating virtual communities for Air Force personnel.


Since 2009, the Air Force Culture and Language Center (AFCLC) has led U.S. military efforts to provide culture education for college credit via two innovative, online, self-paced courses, Introduction to Culture and Introduction to Cross-Cultural Communication. These two courses use military-centric and student-generated scenarios to illustrate main concepts, focus on cross-cultural skills relevant to military personnel, and have a self-paced format to accommodate military students’ unpredictable schedules. This article outlines the course content, key findings, and best practices associated with these two AFCLC online culture courses. The authors argue that the design and assessment processes adopted by the AFCLC can serve as a model for teaching culture online throughout DoD.


The purpose of this descriptive study is to discuss the creation and implementation of a self-paced course designed to present military and academic course content in an engaging and interactive format. The paper reviews the “Introduction to Cross-Cultural Communication” course piloted to 150 Air Force personnel in Spring 2011 and reveals the challenges and opportunities inherent to self-paced courses for student service members and instructors.


The communication of respect has been established as a significant dimension of cross-cultural communication competence. Although there have been several noteworthy studies devoted to the differences in respectful communication across cultures, more research is needed to fully define and fully understand respect in cross-cultural interaction. The purpose of this article is to provide a strong rationale for the importance of continued study devoted to the communication of respect and to suggest a framework for categorizing the culture-general dimensions of the communication of respect. As such, the article includes a comprehensive literature review synthesizing scholarship devoted to the communication of respect from both academic and professional disciplines. Building on the basis of this literature, a categorization of the various dimensions of the
communication of respect is provided in order to inform future research into the interpersonal expression of respect.


The author outlines experiential learning theory and experiential education as two theoretical frameworks used to design an experiential approach to CQ education. The author hypothesizes that participants will demonstrate increased metacognitive CQ, motivational CQ, and behavioral CQ following the experiential CQ education process designed. The process involved seven stages and lasted for eight weeks. Two phases were conducted: the purpose of the first phase was to gain participant feedback and perception about the process, whereas the second phase was conducted to evaluate indicators of pre- and post-intervention CQ development. All hypotheses were supported, indicating that the experiential approach was effective in changing the three aspects of CQ. It was also found that women advanced more significantly in the behavioral component than men. Practical and theoretical implications are discussed.


Cultural intelligence education aims to improve an individual’s skills in navigating cultural contexts to allow for more effective interactions. This paper examines how individual attributes such as self-efficacy, individual life experience (e.g., international travel), work experience, and management experience can influence the outcome of cultural intelligence education training. The authors created an experiential education program with cognitive, motivational, and behavioral components, which aimed to increase cultural intelligence. Three hundred and seventy participants (combination of managers and students) completed this six to eight-week training program. The results indicate that general self-efficacy is an individual characteristic that serves as a predictor of cultural intelligence development. Future studies should examine additional individual characteristics as predictors of cultural intelligence development and how these can be useful in selection for training purposes.


Perspective taking is an acquired skill that allows a person to imagine the perspective of another person. Auditory perspective taking specifically refers to imagining how another person hears and comprehends spoken language. Robots that are used to report information using auditory means should be equipped to mask noise (machine noises such as fans and motors) and respond to interruptions. This paper outlines methods that can solve common problems with robotic verbal reporting.

Recent years have witnessed the emergence of a number of tests that measure cross-cultural competence; yet to date there is no review of their validity and reliability. This article addresses this gap in the literature. The authors discuss issues associated with evaluation of the content, construct, and ecological validity of such tests and review the evidence for 10 tests. The authors then evaluate that evidence, draw conclusions about the tests with the best evidence for ecological validity, and provide recommendations for future research in this area.


This article explains the importance of cross-cultural competency at every level of a unit. Captain Tyler Matthews explains his training method of “Zabul School” to educate and prepare his Soldiers for their upcoming deployment in Zabul Province, Afghanistan. He prioritized his cross-cultural training as terrain familiarization, language and culture, and finally history and situational awareness. The Zabul School, which was mostly taught by the platoon’s NCOs and subject-educated Soldiers, focused on teaching the platoon the specifics of the terrain (roads, U.S. bases, population), Pashtu language training on key phrases, the principles of Pashtunwali, and the overall history of southern Afghanistan. Captain Matthews and his platoon only spent a total of 12 formal hours teaching and educating their Soldiers in Zabul School but, in return, greatly mitigated risk when working with their Afghan partners on deployment. Captain Matthews emphasizes the importance to challenge Soldiers intellectually and asserts that it is never too early to start cross-cultural training.


Pre-deployment training greatly increases the chance of mission success, but the real-life scenarios faced by Soldiers involving cross-cultural decision making are often not captured during combat training simulations. Artificial intelligence (AI) simulations often use scripted scenarios, thus not challenging the decision making processes of players. To help explain how AI can incorporate the cross-cultural decision making process, the paper presents a brief literature review and provides definitions for culture and AI terms, such as agent, group, and affordance theory. The technical approach to embedding cultural decision making into the AI environment is explained as is an implementation plan.


After recognizing that the role of culture and religion in successful missions is often overlooked, despite the growing awareness among Army leaders that cultural education should be included as part of training, the Fires Center of Excellence’s Joint and Combined Fires University implemented a Cultural and Foreign Language Program. The program, which is being touted as the first of its kind for its holistic approach, uses a three-tiered approach to address cultural awareness,
understanding, and expertise. The Army has implemented the program in hopes of helping Soldiers and leaders understand the cultural nuances of other countries, especially those to which they may deploy.


This research examines the critical components of 3C and the affective, behavioral, and cognitive functions attributable to the four levels (pre-competent, beginner, intermediate, and advanced) of 3C development. Previous models of expertise acquisition were used to help shape the developmental model of 3C created by the authors. Multiple methods (such as critical incident interviews with Soldiers and team member competency ranking) were used to create the four stages of 3C development and the five components (comprised of various KSAs) required for each level. Simulation interviews allowed the researchers to group Soldiers into the four levels of development and then assess which KSAs were used most frequently at each level. Descriptions of each of the four developmental levels are provided, and tables provide example interview excerpts that characterize the five components at each level.


This paper presents a model of the stages Soldiers pass through when developing cross-cultural competence and the KSAs required for each stage and discusses how 3C development can sustain mission success. A literature review of previous models of the developmental stages of 3C helped the authors define and shape their model. Through interviews with Soldiers that examined task diagrams (examining the task each Soldier did for their job and how cognitively demanding each task was), team member competence rankings, and cross-cultural critical incidents, 28 competencies were found that impact mission success. Examples of competencies and how they aid in mission success are described. The team member competence ranking exercise found that Soldiers lower in cross-cultural competence were more ethnocentric and unwilling to understand other cultures, leading to lower mission success. Finally, the authors describe the four competency levels (pre-competent, foundation [novice], task-oriented, and mission-centric) that make up their model and the three components (affective/attitude, behavioral, cognitive) within the model.


This paper opens with a simple diagram that shows the layers of DoD's operational environment and describes how this structure allows for cross-cultural interactions. First, an individual must understand his or her own culture. Then he or she must understand how this translates into the team environment as well as into inter-team coalitions and the host/enemy regions to which he or she is deployed. Challenges faced at each level are discussed, and solutions are provided.

The authors are members of the Defense Regional and Cultural Capabilities Assessment Working Group (RACCA WG), which was created in order to “establish a common terminology and typology for identifying, developing, measuring, and managing regional and cultural capabilities”. This report presents the 40 general cross-cultural learning statements that the authors recommended in order to facilitate the career development of cross-cultural competence (3C) in military and civilian personnel. The learning statements are knowledge, skills, and personal characteristics that were identified by Subgroup 2 of the RACCA WG to be core competencies for beginner (i.e., starting at accession points in training) to intermediate (i.e., ending with acquiring regional, language, and cultural proficiencies through pre-deployment training or through specialized education or training) level learners.


Understanding the culture of a host country is crucial to befriending the locals, which, in turn, is crucial for mission success. The author provides a definition of culture and details the difference between cultural literacy and cultural competency and how both are demonstrated in Soldiers. Cultural norms (such as peoples’ attitudes, behaviors, and cognitions) shift between cultures, and thus an educational training program would ideally prepare Soldiers to adjust to these changes. Methods of training currently used by the military are described, as are methods for improving and assessing these programs.


The author of this article believes that cultural knowledge and warfare are inextricably bound and that the need for troops to be cross-culturally competent is becoming more and more important in today’s operating environments. Understanding one’s enemy requires more than a satellite photo of an arms dump; it requires an understanding of habits, interests, intentions, and beliefs. In short, it requires an understanding of culture. The author states that a lack of cultural knowledge can have dire consequences, while being well-versed in cultural knowledge can make a difference, not only strategically but also operationally and tactically. The author then delves into the historical relationship between cultural knowledge, anthropology, and war and explains that we must learn from history so that we are not forced to repeat it.


Intercultural competence is a goal of many educational and training programs for military leaders who, when deployed overseas, are required to think critically and make strategic decisions in culturally complex environments. Critical thinking skills are not only essential leadership tools but also the keys to development of intercultural competence. The primary objective of this study is to
gain a better understanding of the relationship between critical thinking and intercultural competence. Another objective is to determine which intercultural competencies learners find most challenging. Research methodology included a thorough examination of the curriculum, content, testing data, and end-of-course survey results of a non-credit, self-paced, instructorless online course for 2241 mid-career Air Force officers. Assessing critical thinking and intercultural competence development is a challenge in any educational context, but especially in online, self-paced courses without the benefit of teacher or student interaction. Situational judgment tests (SJTs) are a practical technique for assessing progress. Results revealed a significant relationship between critical thinking and intercultural competence SJT scores. Item analysis indicated that some scenarios were more challenging than others from an intercultural perspective. According to the findings, certain cultural differences challenge the decision-making ability of military officers in high-stress, high-visibility situations. These include culture-general knowledge (Mindset), empathic communication skills (Skillset), and a curious, open, and nonjudgmental attitude (Heartset). Participants scored significantly higher, however, when analyzing SJTs situated in more mundane intercultural workplace situations. The study's findings support the efficacy of utilizing SJTs to develop intercultural competence, especially in online learning environments.


The authors of this article believe that traditional models of measurement for cultural competence are much too vague to accurately assess levels of important human behaviors such as adherence to a directive. Therefore, they have developed a model they call the Computational Effects of Cultural Attributes and Etiquette on Directive Adherence (CECAEDA). The CECAEDA is made up of four key components, each of which is discussed in detail. The authors believe that deep-rooted cultural factors influence the psychological, cognitive, and affective patterns of members of a particular culture and that these impact perceptions of etiquette and relationships expressed by politeness behaviors, as well as decisions and subsequent actions. The CECAEDA model is developed as a way to judge how culture affects how individuals respond to a directive and the outliers that can affect one’s response, such as gender or saying “please”. The authors look at politeness as a cultural factor. Politeness, in this case, is the method by which we signal, interpret, maintain, and alter power relationships, familiarity relationships, and interpretations of the degree of imposition of an act.


This research is concerned with development of an algorithm for computational modeling of politeness behaviors. Drawing on Brown and Levinson’s model of face (i.e., the positive social value a person claims for himself/herself), the authors of this piece conceptually model how to build simulations for culture specific interaction trainings involving face threatening actions. The context within which this algorithm has been tested is the Tactical Language Training System (TLTS), a first-person game simulation utilized for teaching tactical language skills via an
interactive videogame environment. Not only phrases but gestures, like removing sunglasses and shaking hands, are incorporated into the game.


Training for cultural awareness and appropriate social interaction is important in assisting Soldiers with working with local authorities and civilians in foreign locales. An avatar that displays social characteristics consistent with its cultural background can provide cross-cultural training in an appropriate and cost-effective manner. For example, the Army provided Arabic culture training for more than 200 Soldiers before a deployment to Jordan, and, while the training offered excellent insight and knowledge, there was limited interaction between the large number of Soldiers and the Jordanian civilian trainers. According to this article, if computer-based avatar training had been provided, each individual Soldier would have received culturally in-depth knowledge from an accurately simulated avatar. This article delves into the need for providing such culturally competent avatars and addresses the benefits and costs of doing so. It considers everything from speech to facial expressions to proper etiquette. The authors use a universal theory of human-to-human “politeness behaviors”, and culture-specific frameworks or “etiquette” from various disciplines, including sociology and anthropology, to create a computational model of social behavior interactions.


This series of collected papers serves as a literature review of cognitive factors that influence cultural models of belief. The collection includes a summary of current opinion dynamics research, a bibliography on representations and functions in cultural modeling research, a database of relevant news headlines, and articles that outline a new approach to simulations of cultural knowledge and consensus that incorporates opinion dynamics and representations. The author includes appendices of two recent publications associated with this project. These include models of how information is shared and simulations that suggest people are resistant to accommodate opinions different from their own in order to maintain consistency within a set of related beliefs.


The report provides a brief examination of culture and cultural learning, including a discussion of core cultural orientations and their importance in interactions. The authors also examine the concept of situational awareness in relation to the types of encounters Soldiers may experience in the field and emphasize the role of effective communication, negotiation, and persuasion in the management of these encounters. Furthermore, the authors present a framework that connects key cultural orientations to the various stages of an encounter and provide some observations on the need for effectively managing lessons learned at the unit level as a means by which to leverage the knowledge and experience gained through successful encounters.
This study on negotiation is based on a qualitative interviews from convenience sample of midlevel and junior-level Army officers who were questioned on their experiences with Iraqis. The authors address in great detail the implications of the findings with respect to training and development needs more generally. Although the findings are based on a small sample from a specific culture, the authors recommend expanding pre-deployment training to take into account the fundamental principles of negotiation and training those skills especially relevant for individuals working in high-risk cross-cultural situations. It is also worth noting that the negotiation styles attributed to Iraqis in this study were based on perceptions of the U.S. Soldiers and not based on data collected from Iraqis on their specific techniques or perspectives.

This is a conceptual piece focused on developing a computational model of culture for military application. After a theoretical presentation of differing perspectives on culture, the authors address the unique needs of models for use with military populations, especially as related to military hierarchical structure. Organizational and cultural factors are considered in their proposed model for the construction of computational software for cultural training. This piece does not include details on a specific software tool; it is primarily concerned with the development of a theoretically driven model for application in more than one setting.

The authors include a literature review on intercultural competencies and cross-cultural teaching strategies for military transition team advisors. They conducted interviews with Soldiers, subject matter experts, and host nationals from places like Iraq, Afghanistan, and the Horn of Africa and asked about cross-cultural education, the development of cross-cultural working relationships, and recent advising experiences among others. Consistent with much work in this field, the authors reference Hofstede’s dimensions and the Global Leadership and Organizational Behavior Effectiveness (GLOBE) study as part of the theoretical foundation for the development of training. Although intended for U.S. military advisors, ultimately, the training of coalition partners is key to this work. This may be why they presented culture-specific learning styles for pupils schooled outside of the U.S. Learning is meant to be long-term, and a specific ‘toolkit’ or pedagogical approach including intercultural psychology, a culture-general assimilator, and live action incidents is suggested by the authors.

The author of this text lays out a roadmap for the successful disarmament, demobilization, and reintegration (DDR) of former Afghan combatants. The author accomplishes this by drawing on lessons learned from similar DDR experiences elsewhere. The article explains the makeup of Afghanistan and the fact that it is home to a large number of warlords as well as combatants who have participated in the war. The author believes that it is necessary for peacekeeping to aid these former combatants in finding work or else run the risk of having them rejoin the warlords. The article addresses three different aspects of the need for DDR in Afghanistan: the need for reviewing the sequencing of the DDR process, the dilemma of whether former combatants should be given preferential treatment, and planning and coordination challenges for linking DDR with the peace building process.


This article was published while the Marine Corps Language, Regional, and Culture Strategy was being written and calls for an understanding of culture in an operational context. The author highlights some of the differences between the cultural contexts in Iraq and Afghanistan. Additionally, he addresses some perceived cultural differences between the values and traditions of Marines and host nationals. A discussion of geography, informal political structures, and a largely illegal opium poppy trade is also included for the reader to understand the Afghan operational context. In addition to some culture-specific information, this piece gives an overview of organizational involvement and the need for culture to not only be included in doctrine but also in training for all Marines.


This article reports the results of the authors’ psychometric analysis of the Intercultural Development Inventory (IDI). The study had two major research objectives: to examine the empirical properties of the IDI and to generate a single, composite IDI score that could be used for research and training purposes. In May 1998 and January 1999, the IDI was administered to 378 high school students, college students, and instructors in foreign language, language and culture, and intercultural education courses. IDI data from the final sample of 353 were analyzed using a standard set of psychometric procedures including factor analysis, reliability and validity testing, and social desirability analysis. The results demonstrate that the IDI is a reliable measure that has little or no social desirability bias and reasonably approximates the developmental model of intercultural sensitivity.


Years of war in Iraq and Afghanistan taught the U.S. military the importance of cross-cultural competence (3C). Current and future hybrid conflicts require an understanding of cultures different
from our own for our military to excel across the full spectrum of operations. The “U.S. Navy Language Skills, Regional Expertise, and Cultural Awareness Strategy” states, “The number and variety of cultures and foreign languages the Navy faces in this new environment far and away exceeds the level faced in the Cold War”. Proficiency in irregular warfare and humanitarian aid/disaster relief requires leaders who are culturally competent. The current article reviews cultural efforts to this end at the U.S. Naval Academy and makes recommendations for future cultural leadership education.


This GAO report is an analysis and evaluation of pre-deployment training programs implemented by both the Army and the Marines for culture and language. The study also provides an overview of qualitative data collected from interviews with officials from the Office of the Secretary of Defense, the Army, and the Marine Corps. The report includes recommendations for improvement in both services. Main takeaways include the need to systematize the development and maintenance of language skills as well as the need to develop a system to track the training and language proficiency of personnel in order to utilize their skills most effectively.


This report serves as a companion piece to Pickup et al. (2011a). Similar methodologies were employed to assess the planning and coordination of reviews of the Army Culture and Foreign Language Strategy and the Marine Corps Language, Regional and Culture Strategy: 2011-2015 and other training documents not specifically named. The authors also conducted interviews with leadership in both the Army and the Marine Corps. Findings included the need for DoD to establish internal mechanisms to prioritize plans outlined in doctrine such as the Army Culture and Foreign Language Strategy and the Marine Corps Language, Regional, and Culture Strategy: 2011-2015. This piece also includes a timeline of documents published by both services outlining the continuing need for the development of culture and language skills for personnel across services.


The primary purpose of this report is to compare aspects of a “culture-general” conceptual approach that have been integrated into three military training programs. A “culture-general” approach is designed to guide Marines in problem framing, asking questions, and gathering appropriate culturally specific information to solve an issue. Culture-general concepts and skills can be applied to any culture around the world and are, thus, applicable to any operational environment. This mini-report includes a comparison with several Army Research Institute (ARI) findings and is primarily intended for audiences at Marine Corps Security Cooperation Group (MCSCG) and the Center for Advanced Operational Culture Learning (CAOCL). These two
Marine organizations are responsible for preparing Marines to engage foreign populations and foreign security forces.


This anthology volume comprises 14 firsthand accounts from individuals who advised foreign armies over various periods during the last century. Articles are from military publications, after action reviews, and a RAND study. Each article focuses on certain aspects of advisory positions, such as the challenges of duties, the need for cultural awareness, and lessons learned.


Preparing people for the cultural aspect of their jobs is a challenge for leaders. A key difficulty for military leaders is that their people may ultimately go anywhere. US personnel have to be ready to engage and work with people from countless cultures and to get up to speed quickly in new areas of operations. They need a set of cultural skills that apply no matter where they hit the ground. The authors refer to this set of skills as culture-general competence. The aim of the current study was to further test a model of culture-general competence referred to as Adaptive Readiness for Culture (ARC). It is general in the sense that it applies across all regions of interest. The skills that comprise ARC were identified in an earlier study of Marine Corps and Army service members who had worked in multiple cultures. This unique aspect of the study was essential to tease out general skills from specific area knowledge. The current study extended the sample to determine how well the model applies across DoD and the total force.


The authors describe a cognitive field research study of professionals with repeated and varied intercultural experiences and a resulting model of culture-general competence. Twenty professionals with varied sojourns and considerable experience working with members of other cultures participated in two-hour long, semi-structured interviews. The authors elicited critical intercultural interaction incidents during the interviews and followed with detailed questions designed to probe existing competencies hypothesized to be important from the literature. Interview transcripts were subjected to a qualitative thematic analysis as well as coding to support quantitative, frequency analyses. Results confirmed the importance of several hypothesized competencies and suggested a reconceptualization of specific knowledge and skill elements. Several additional competencies emerged from the qualitative analysis as well. Practical and theoretical implications are discussed.

To foster the development of cultural skills that are widely applicable across regions, DoD needs to know precisely what they are. This article discusses the culture-general competence model, which DoD personnel can use within the constraints of their preparation cycles, operating environments, and missions. The authors conducted a cognitive field research study to uncover the key skills and knowledge that culture-general subject matter experts use to overcome challenges in foreign operating environments. Twenty-six military professionals, mostly officers from the Army and Marine Corps with recent and varied experience overseas, participated in semi-structured, incident-based interviews. All of the research participants had been assigned to jobs overseas that required daily interactions with members of the local populations, foreign coalition partners, or both. Participants were asked to describe personally experienced challenging intercultural interactions during their most recent overseas assignment. Results from the interviews found that there were twelve culture-general competencies inherent among the interviewers, including ‘understand self in a cultural context,’ ‘plan cross-cultural communication,’ and ‘cope with cultural surprises.’


The purpose of this project was to develop a cross-cultural competence (3C) model for the General Purpose Forces (GPF) in the U.S. military, based on data from operators with experience in various cross-cultural environments. This model prioritizes cross-cultural competencies that are the most important (i.e., core). Using the model, the authors describe how competencies organize in relation to each other and to mission-critical performance and specify how the knowledge, skills, and abilities related to 3C are enacted in specific ways. The authors interviewed a total of 26 officers and senior enlisted personnel from the Marine Corps, Army, and Air Force. All of the interviewees had been deployed at least twice, and 75% had been deployed three or more times to at least two different regions in the world. All of the interviewees also had recent deployments serving in billets that required extensive interaction and contact with members of local populations and had received some form of peer or supervisory nomination indicating they were especially adept within the role or function they served in general intercultural interactions. Conclusions yielded from this study include interviewees observing that 1) cultural rules differ from region to region, 2) cultures change over time, even if you deploy to the same place you went before, 3) people make exceptions to their cultural rules because they may know how Americans operate, and 4) individual members of a culture don’t always follow their own cultural rules.


To be in a position to understand and anticipate the beliefs and actions of individuals from other cultures, analysts need insight into “what it is like to be them”. There is a tremendous amount of cultural information that analysts might use to interpret the activities of members of foreign populations, and the specific information they need depends on the problem they are given. In this article the authors argue that strategies for engaging in cultural sensemaking allow analysts to discover what cultural information they need to understand particular problems and to acquire this knowledge on an ongoing basis. As such, cultural sensemaking strategies offer an alternative to the
notion of providing analysts with an initial framework or pre-specified items of knowledge that theoretically would allow them to parse and understand a culture. Instead, cultural sensemaking provides a foundation for analysts to build their own culturally-relevant mental models of another culture and refine them over time. The authors outline a number of specific strategies for cultural sensemaking that they have uncovered in their studies of cross-cultural expertise and describe their application to intelligence analysis.


This chapter focuses on the development of cross-cultural competence (3C) as an activity that students do for themselves and not as an activity that happens in response to teaching. The authors argue that metacognitive, self-regulatory learning strategies provide the basis for the efficient and effective development of 3C over time. They further define the essential characteristics of self-regulation, describe the structure and function of self-regulatory processes in the context of cultural learning, and provide an overview of approaches for teaching students how to learn on their own initiative. Additionally, the authors argue that training and educational programs cannot produce cross-cultural experts, but they can support the development of expertise by providing the foundational skills needed to maximize experiential learning. In order to provide these 3C foundational skills, training and educational programs must support the development of metacognitive learning processes. Finally, the authors suggest providing students with metacognitive, cross-cultural learning strategies early on in their careers to allow them not only to develop strategies for how to think for themselves in complex intercultural situations but also to improve their expertise development.


This article offers advice for practicing cross-cultural competence (3C) expertise in the U.S. military based on the authors’ research on the subject. It describes seven strategies that enable military practitioners to develop 3C, namely: Knowing yourself—and how you’re different, knowing the value of a little cultural understanding, framing intercultural interactions as opportunities to learn, paying attention to surprises, testing your knowledge, reflecting on your experiences, and adapting what you express and how you express it. The authors provide specific operational examples of each strategy collected through critical incident interviews. The article offers strategies that will help leaders advance their own cross-cultural competence as well as a framework for enhancing ongoing training and development of junior staff.


The authors begin with a brief examination of how American military operations have shifted their focus from a more traditional force protection approach to counterinsurgency (COIN) techniques used during Stability, Security, Transition, and Reconstruction (SSTR) operations over the last decade. This shift placed greater emphasis on the importance of all personnel considering
sociocultural issues when planning and executing missions. However, one of the key pieces of information missing from the research to improve the cross-cultural capability of the General Purpose Force (GPF) is an understanding of how the broader context of operations shapes what cross-cultural competencies (3C) are needed. Given the variability in interpretation and application of the cultural knowledge, skills, and abilities (KSAs) needed for mission success, a scientific approach is needed to understand what cultural skills are necessary in certain situations. To address this need, Aptima, Inc. collaborated with the U.S. Army Research Institute for the Behavioral and Social Sciences to develop frameworks of 3C and contextual attributes. The competency framework developed outlines fifteen general competencies needed for effective cross-cultural performance. The contextual attribute framework puts forth seven categories by which to describe the situation surrounding cross-cultural interactions. The frameworks were then used to qualitatively code 334 real examples of cross-cultural interactions in order to map the context to competencies. Results demonstrate that situational characteristics impact the display of cross-cultural competencies. Results from this report can be used to develop training scenarios that are tailored to meet specific missions and situations.


The Army often develops and uses computer-based gaming environments to train non-kinetic KSAs, such as those needed for successful cross-cultural engagements. DARWARS Ambush! is one specific game-based training program that allows Soldiers to collaborate and share learned lessons with other Soldiers to accomplish non-kinetic missions. The paper describes two missions that the game presents and how the user interacts with the gaming environment and other team members to accomplish the mission. Trainees and experts can provide and receive real time assessments during the game, thus providing immediate feedback on successful and unsuccessful tactics used by the player. Though several changes had to be made to DARWARS Ambush! to accommodate the non-kinetic skills being trained, most users find it simple and convenient to use.


This article discusses cross-cultural competence in the Air Force’s professional military education. The Air Force Culture and Language Center is intended to be a catalyst for the infusion of cross-cultural education across the university’s many schools and colleges, including the Air War College and the Noncommissioned Officer Academies. This article discusses Air University’s Quality Enhancement Plan (QEP), which is built upon a number of student learning outcomes, including the acquisition of “foundational knowledge of culture-general ideas and principles” and “skills necessary to work effectively in cross-cultural contexts”. According to Dr. Brian Selmeski, the director of cross-cultural competence at the Air Force Culture and Language Center (AFCCLC), the goal is to get all Airmen to be sensitive to these cross-cultural concepts and be able to use them wherever they are deployed instead of relying on hiring anthropologists and co-locating them with military units to assist.

The author discusses Cross-Cultural Competence Scenario-Based Assessment (3C SBA), a professional development tool that can help individuals identify their cross-cultural competence (3C). The 3C SBA uses individuals’ reasoning skills to help identify 3C strengths and weaknesses requiring improvement prior to deployment. This tool is based on a 3C developmental model of 3C in the General Purpose Forces and is intended to offer a statistically reliable and valid measure of cultural reasoning, cultural perspective-taking, intercultural interaction, cultural learning, self-regulation, and self-awareness. Users are provided with cultural dilemmas that previous military personnel have experienced during their deployments and are invited to choose the most favorable course of action from the available response options. Once the user is finished with the assessment, performance feedback will be provided regarding the reasoning skills used among the situational alternatives in culturally complex environments. The author recommends that the overall assessment performance feedback be customized, so that identified areas of weakness are linked to the particular e-learning courses and training modules available on the 3C portal (www.defenseculture.org ). This portal provides a holistic approach to advancing the individual’s understanding of the inter- and intra-personal competencies that comprise the identified core competencies and their application in culturally complex environments.


The objective of this chapter is to present a conceptual approach used to construct a cross-cultural competence (3C) developmental sequence, principally in the Department of Defense (DoD). The criticality of 3C has emerged as one of the most pressing challenges for military and civilian leaders alike, as they attempt to achieve their strategic goals in ill-defined cross-cultural encounters. Military and civilian leaders, including practitioners, have documented extensive evidence to support the immeasurable value of 3C in enhancing an individual’s capacity to deal with unforeseen or ambiguous contexts. 3C helps to facilitate individuals’ adjustment to the experience of living among foreign cultures and enables individuals to optimally integrate their cultural knowledge. This chapter provides a logical, theory-based 3C developmental sequence for both military and civilian personnel.


The authors state: “While cross-cultural competence has been known to enhance proficiency in cultural interactions and improve readiness in operational environments, incorporating these skills in the cultural learning process for the Department of Defense (DoD) personnel operating in joint, interagency, inter-governmental, and multinational contexts remains a nascent endeavor. Studies across the DoD have consistently identified certain competencies that can assist in making sense of cross-cultural scenarios involving alternate world views such as ‘cultural self-awareness’ and other aspects of cultural relativism. Still, none have identified a codified developmental sequence that would provide DoD personnel—military and civilian—the ability to ‘successfully work in DoD’s
richly diverse organization and to better understand the global environment in which [they] operate.” This study has “compiled the emergent cross-cultural competencies (3C) and supporting enablers into a specific developmental sequence. The sequence begins with culture-general concepts and knowledge, and builds upon that foundation with the subsequent acquisition of skills, abilities, and attitudes (KSAAs) that deepen and further augment an individual’s cross-cultural competence across a learning continuum timeline via training, education, and experience.”


Though the military often uses computer games to train 3C, current games and character models are typically low in fidelity. Phase I of this project aims to create CAATE (Culturally Aware Agents for Training Environments), a better suited model that is adaptable and also affordable and implementable. To accomplish this task, researchers used social network and reasoning modeling, human behavior modeling, and other relevant tools. A literature review provides background information on cultural dimensions, cross-cultural personality traits, and simulation environments. This review, coupled with subject matter experts’ input, resulted in a set of cultural and social dimensions that are important when designing the CAATE. The process of designing and evaluating the CAATE system are outlined. Suggestions for Phase II, such as developing a full-scope CAATE prototype, are discussed.


Cultural understanding is a primary multicultural perspective taking competency for Army personnel. The goal of this technical report was to develop a schema for cultural understanding for training Soldiers based on qualitative interview data. Interviews were conducted with Soldiers who had moderate to high levels of cultural interaction throughout their careers. The resulting schema comprised sixteen items, including religion, values and beliefs, and customs or traditions as central knowledge areas needed for cultural understanding.


This is a theoretical piece involving a review of literature from diverse disciplines in order to develop conceptions of culture and KSAs contributing to multicultural perspective taking. Fundamental competencies drafted by the Army that support multicultural perspective taking include self-awareness (i.e., knowledge of one’s own culture, the ability to regulate emotions), personal (i.e., critical thinking), interpersonal (i.e., communication and relationship building), and regional expertise (i.e., knowledge of regional geography, history, politics, etc.). Each of these is an aggregate of more specific characteristics. The intent of this piece was to inform training development and future research on competencies needed for effective multicultural interaction.
Social perspective taking (SPT) is an interpersonal skill that greatly enhances a Soldier’s ability to understand and work with people from different cultures. First, a literature review was conducted to examine SPT, its many benefits, and potential drawbacks as well as the SPT process, relevant theories, and individual characteristics important for successful SPT. A review on teaching methodologies previously used to train SPT is also discussed. In addition to the literature review, interviews were held with subject matter experts and Soldiers to determine which knowledge, skills, and abilities (KSAs) were useful in SPT. Through the data collected, the researchers generated a list of KSAs most useful to Soldiers wanting to improve their SPT skills. A four-module curriculum is presented that details the steps involved in training SPT in Soldiers. The appendices outline the forty-one SPT KSAs identified in the literature and interviews, the curriculum for the four modules, and an assessment strategy for the training intervention.

The authors provide a theoretical and conceptual overview of the development of cross-cultural expertise from both military and non-military perspectives. They describe specific knowledge, skills, abilities, and other attributes (KSAOs) informed by these models and a military-centric cultural assimilator prototype developed as part of the project. The culture assimilator is included in the appendix. The strength of this piece lies in its combining of theory and practical application of important concepts in development of cross-cultural perspective taking skills.

Measuring and identifying culture-specific and universal non-verbal communication (NVC) can be difficult for researchers but has important implications for training Soldiers before they are deployed to a new cultural environment. In order to design an automated NVC training program for Soldiers, researchers first conducted an extensive literature review on NVC theories, methods of investigation, and current NVC training protocols. Focus groups were held with Soldiers returning from Iraq to investigate the importance of NVC across situations and how they felt the training prepared them for the cultural NVC differences. Findings suggest that some of the Iraqi cultural norms learned in training do not always apply when deployed. The researchers also videotaped expatriate Iraqis non-verbal emotional expressions and situational gestures for future training purposes. The authors suggest additional research on the use of NVC in negotiations and also recommend creating a validated training program for Soldiers to use before being deployed.
A rational-empirical approach was undertaken to develop the Cross-Cultural Competence Inventory. In-depth interviews with subject matter experts were conducted following an extensive literature review in order to derive a theoretical model of the construct. Scales were constructed to measure nine hypothesized dimensions of cross-cultural competence. An initial pool of 149 items was administered to a sample of military personnel from all service branches to empirically validate the underlying structure of the nine hypothesized dimensions. Following statistical analysis, six scales were derived: 1) willingness to engage, 2) cognitive flexibility and openness, 3) emotional regulation, 4) tolerance of uncertainty, 5) self-efficacy, and 6) ethnocultural empathy.

Future empirical work is needed to collect baseline data and to explore the construct, criterion, and predictive validities of the six scales.


The authors in this study examined the challenges to the Air Force that underlie efforts to build education and training for cross-cultural competence (3C). The study includes in-depth interviews with a range of enlisted and officers at the diverse schools forming the Air University at Maxwell Air Force Base to examine experiences in diverse international settings. The goal of the study was to understand the existing and changing nature of Air Force deployments and the challenges presented to Airmen. Results from the study revealed many settings and missions requiring a high degree of 3C and other missions and assignments for which a low degree of 3C was needed. The authors also analyzed the nature of the cultural knowledge, skills, and abilities being developed in the field as revealed in actual challenging situations for the Air Force in recent deployments.


This paper is a section of a larger project aimed at better understanding 3C and existing 3C measures. In this paper, the authors state their operational definition of 3C and elaborate on eleven factors that have been previously examined in the 3C literature. To validate this operational definition, the researcher interviewed nine Army Soldiers who recently returned from deployment in Iraq. The interviews were semi-structured and allowed the participants to rate themselves and team members on 3C adaptability and provide critical incidents to better understand how 3C relates to mission success. Findings suggest that perspective-taking is the most important 3C skill, followed by interpersonal skills. Thus, the author hypothesizes that a 3C model should involve self-regulation, emotional and cognitive empathy, emotional perspectives, and opportunity for experience. Interview transcriptions providing examples of 3C and mission effectiveness are provided in an appendix at the end.

Equal Opportunity Management Institute. (DTIC No. ADA 488611).

This is the first section of a larger 3C project to support DoD’s Cultural Readiness goal of developing a valid and reliable 3C measurement tool for Soldiers. The authors outline the steps of developing a psychometrically sound questionnaire and provide a detailed appendix of measures related to 3C. Dimensions assessed and psychometric properties are reported for each measure.


Part of a larger project (DoD’s Cultural Readiness), this paper outlines the task of examining previous 3C research and literature to operationalize the definition of 3C. The authors summarize previous literature defining 3C and its components as well as the various constructs that are theorized as being related to 3C (such as ethnocultural empathy, self-efficacy, interpersonal skills, and communication, etc.). A list of competencies and characteristics serves as a template the authors will use to better define 3C. Critical incident reviews are cited as being the next step in the process of creating a measure and definition of 3C.


This article provides an overview of the advances that took place in the Marine Corp’s pre-deployment culture training between 2003 and 2006. The shift from cultural sensitivity training to cultural awareness classes and then to operational culture learning is documented, as is the institutionalization of culture training and education through the establishment and development of the Center for Advanced Operational Culture Learning (CAOCL). CAOCL has chief responsibility for the Marine Corps’ culture training and education continuum, which consists of pre-deployment training, integration of culture training into PME, and the establishment of institutional culture and language programs. The article concludes with a discussion of USMC culture and language training lessons learned and suggests steps for their implementation.


A misunderstanding in communication can occur when a person encodes or decodes verbal information improperly or when non-verbal cues are misinterpreted. Verbal and non-verbal language is often misinterpreted when the interaction occurs between two individuals of different cultural backgrounds. This paper reviews the challenges of understanding and teaching 3C and non-verbal communication and current military 3C and non-verbal communication training strategies. Universal non-verbal cues are identified, and then the researchers examine non-verbal cues specific to the Iraqi culture to help aid in military communications with members of the Iraqi culture. An experimental study was conducted to determine the reliability of these nonverbal cues, and findings are discussed. The researchers present training and learning methods for teaching nonverbal decoding and describe how creating a computer game aids in this training. Finally, the
NOVEL (non-verbal learning) gaming tool and its modules are described. Methods for testing and evaluating NOVEL as well as implementing it into core training are presented.


Non-verbal cues must be understood in cultural context to formulate an appropriate response. This paper examines previous research on non-verbal communication, such as Burgoon's properties of non-verbal communication and Ekman and Griesen's five functional types of nonverbal communication. An experiment was conducted to examine how well three groups of people (American civilians, American Soldiers who have interacted with Iraqis, and native Iraqis) could interpret universal and Iraqi-specific non-verbal cues. Findings suggest that regulator (non-verbal cues that regulate a conversation, such as turn-taking, eye movements, or voice control) and adaptor cues (movements that allow the individual to adjust to the environment, such as touching objects or shifting posture to express anxiety) are the most misinterpreted, while affect displays (facial cues that indicate emotion, such as gaze) and emblems (utterances or gestures that convey words or thoughts, such as an putting the index finger on the lips to express the need for silence) are most accurately interpreted.


Training requirements and programs are constantly changing for deploying Army small units. Thus, small unit leaders must adapt to these changes and develop training tactics that will best fit the needs of individuals within their unit as well as the needs of the collective unit. The availability and adequacy of training tools and resources often vary depending on how much priority the specific training program is given. This can lead to inadequacies in certain areas of pre-deployment training. Researchers interviewed and surveyed small unit leaders from the Active Component (AC) and Reserve Component (RC), and Non-commissioned Officers (NCOs). Using a Training Tools Survey, the unit leaders gave their feedback on the adequacy and availability of training tools. Both AC and RC leaders reported that close quarters battle, foreign language, and cultural skills were not being adequately trained prior to deployment. Access to ranges and equipment for skill-building are not available for many units, as reported by many leaders. RC leaders reported more difficulty in securing tactical equipment and weapons for training purposes. Future directions to solve the training challenges and gaps are discussed.


Abstract: The Department of Defense has stepped gingerly in exploring the utility of recent technological advances in learning made in civilian institutions. In the last two years, higher education has exploded with the development and deployment of Massive Open Online Courses (MOOCs) as a means to stretch the learning capability and capacity of institutions. The jury is still
out as educational journals and publications debate their efficacy. On one hand 215,000 students sign up for an introduction to computer science, on the other hand less than one percent complete the course. MOOCs enable democracy of learning to reach far corners of the world, while language and cultural diversity of the students can intrude on learning. But with resources for education and training reduced in the DoD, it is the many facets that come with MOOCs that make it an attractive and pragmatic alternative to learning. This article highlights the development of one such MOOC and program designed to reach across units, organizations, Services, and agencies and provide common learning vested in a highly interactive chassis.


The authors write, “this article begins with a brief justification of the need for LREC assessment. We follow this with a detailed and critical chronology of LREC conceptualization, the goal of which is to identify problematic LREC definitions and concepts within OSD and within the Services. … This is followed by a brief critique of the assessment programs and approaches currently in place or in development within the DoD, in order to illustrate the corresponding difficulties inherent in creating LREC competence assessment tools without clearer guidance from OSD. Finally, this article will describe one program that promotes an initial development of coordinated LREC learning, as well as a built-in assessment model. We describe the current state of this assessment model, as well as the plan for its further development and its potential as a solution to fill the DoD’s LREC assessment void.”


This article presents arguments in support of the inclusion of culture-general and cross-cultural competence learning points as well as cross-cultural communication competence skill development in language and culture education and training throughout the Department of Defense. It describes a curriculum and assessment model already developed and piloted at the Joint Base Lewis-McChord Language & Culture Center and explores the applicability of Moran’s Cultural Knowings framework as a potential starting point for programmatic curriculum development. Sample lesson plans using Moran’s framework are provided for demonstration purposes. Finally, this article calls for greater collaborative effort and discourse both within and without the Department of Defense for exploring such models and sharing best practices.


This book is edited by two experts on cross-cultural competence (3C) in military learning, policy, and research. It features chapters by the editors and “a host of multidisciplinary experts that probe all aspects of 3C, from concept to application”. The message pervasive throughout this volume is that “contemporary and future security endeavors will be successful because winning wars ultimately rests on developing and sustaining cross-cultural relationships as much as it does on weapons and force”. The authors contend that “twenty-first century warfare is about counterinsurgency and counter-terrorism through an array of strategies that foster collusion and
collaboration, not acquiescence”, and this volume “explores the value and necessity of 3C to developing 21st Century warfighters”.


The language, regional expertise, and culture (LREC) framework seeks to combine language instruction alongside cross-cultural competence (3C) and culture-specific training for the Intelligence and Special Forces communities within DoD. Although not yet expanded to include the General Purpose Forces throughout the military, LREC has the potential to be effective in providing instruction that will be needed for future missions. Combining language and culture training together may enhance not only efficiency of instruction but also learning outcomes. The author of this piece describes a pilot course wherein all three components of the framework (3C, culture-specific, and language instruction) were combined in an eight-week course for Soldiers assigned to Korea. Twenty-two Soldiers participated in the pilot study that combined language instruction, culture-general learning, and specific illustrations of Korean culture. Self-report based pre- and post-tests were used to assess learning in addition to participation rates and an evaluation of final course grades. The author suggests that a set of competencies, knowledge, and skills for culture learning needs to be established and systematized similar to the existing one for language learning. Finally, he outlines the opportunity to develop a teaching and assessment program specifically for our anticipated presence in Africa, a continent with a multitude of languages and cultures.


The piece begins with an overview of the traditional methodological orientation of intelligence work, such as the use of ‘alternative analysis,’ or the process of distilling problems into constituent parts, and ‘red-teaming’, where the adversary’s perspective is utilized in order to understand behavior. The author then describes how employing cultural sensemaking, an essential element of 3C analysis, aids in understanding differences in the belief systems, values, and behaviors of observers and the observed. He suggests that incorporating perspective-taking and cultural priming into the intelligence process, in combination with 3C skills, will result in more useful information.


Abstract: The author acknowledges that this is a very in-depth treatise of a subject that is trending more frequently right now. This journal – and others by the current selection of topics related to culture, the human domain and a highly volatile transnational environment – realizes the
importance of promoting knowledge, skills and abilities (even attitudes) to enable mission success within that domain. People are the currency of the human domain; their visible behaviors and symbols are one of the only ways to really discern their thoughts and motivations. Add in the cultural complexity of differing worldviews, beliefs and values that play on those thoughts and motivations and the domain becomes even less certain to decode. Factor in that U.S. military and civilian personnel directly, and indirectly, influence the course of interactions and behavior in the domain and the human domain becomes incredibly layered and dense, where meaning and purpose is difficult to extract and effort and skill necessary for success within the domain difficult to master. One of the primary keys to unlocking the human domain is knowledge about mitigating the array of unintended biases that spin out of human cognition; the most profound and compelling of those biases are cultural. This article is about just that; promoting thinking differently about the human domain, and more generally, the uncertain and dynamic transitional security environment that it is a part of. It goes beyond recognition of this need to provide an autopsy of how we think, the different kinds of thinking strategies we employ to try to make sense of and forecast behavior and events, and ultimately, how the development of thinking differently can mitigate the cognitive and cultural errors we subconsciously, even unconsciously fold into our analysis. The paper concludes with thoughts on developing a learning program that would introduce thinking differently. As it were, the author does not apologize for the article’s length. It is not surprising that to think about thinking differently requires a little extra ink.


This article explores an ethnographic approach to the conceptualization and training of 3C in the military. Specifically, the author posits that ethnographic methods are an effective means by which to facilitate the development of cultural competencies because they encourage individuals to understand other cultures through those cultures’ own viewpoints and perspectives. Furthermore, core cultural competencies (i.e., cultural knowledge, cultural self-awareness, perspective taking, and observational skills) are suggested to aid individuals in learning about other cultures from a relativistic standpoint, rather than one influenced by moral judgment or personal opinion. This approach is termed methodological cultural relativism and is considered by the author to be a useful means by which military and civilian populations can better understand other cultures and promote cultural interactions.


This thesis focuses on the framework of individual cross-cultural competence, its application to Army leaders and doctrine, and its relevance to strategy. The author argues that the Army already has well-developed language and regional expertise training programs, but its programs do not fully satisfy cross-cultural competence (3C) as an individual capability. Research presented in this thesis shows that specific individual (culture-general) knowledge, skills, attributes, and affect/motivation (KSAs) are a greater indicator for cross-cultural effectiveness than language and regional expertise. The author further argues that KSAs support adaptability, which is necessary for Army leaders, and Army leadership doctrine should be updated to include these valuable KSAs.
This article employs an anthropological perspective and argues that, as of 2006, most Western militaries were fairly proficient in providing their personnel with very specific cultural knowledge through pre-deployment briefings and smart cards. However, they were much less proficient at fostering cross-cultural competence – the non-context-specific cultural problem solving and abstract thinking skills that help service members effectively communicate with, relate to, and influence groups and individuals from other cultural backgrounds in unscripted and unexpected situations. As an initial attempt to address this problem, the author describes and applies the Canadian Defense Force’s Professional Development Framework as one possible approach to developing cross-cultural competence over the course of a military career. The article concludes by noting achievements to date within the US and Canadian militaries and recognizing that there is much research left to be done, including studies of how different academic disciplines conceive of culture and how the professional development plan should be expanded, operationalized, assessed, and sustained over the long-term to include cross-cultural capability.

This chapter provides recommendations for developing practical models of cultural competence. The aim is to help researchers construct actionable models that are likely to be adopted by their intended audience. The authors describe principles from the literature on workplace competency model development with examples drawn from their ongoing efforts to develop the Adaptive Readiness for Culture (ARC) model. The purpose of ARC is to set standards for training culture-general competence for U.S. military personnel. Culture-general competencies support professionals who need to go anywhere in the world at a moment’s notice and work effectively with members of diverse populations. Defining this specific purpose constrains the model to ensure relevance. ARC emphasizes pragmatic, malleable skills and knowledge that are germane to the job context. The model is grounded in critical incident interviews of accomplished military professionals. By eliciting challenging intercultural interactions from the job, the authors further ensure relevance to the work demands and language of the audience. And by sampling culture-general SMEs as defined by precise criteria, they are able to examine culture-general competence as distinct from region-specific proficiency. The considerations and approach of these studies provide a template for the development of similar models in other professional domains.

As cross-cultural interactions become more commonplace and of shorter durations, understanding the abilities that enable some sojourners to function competently in unfamiliar cultural contexts is increasingly important. This investigation took a cognitive science approach to the problem of


cross-cultural competence, examining metacognitive strategies for dealing with puzzling interactions. A think-aloud study of cross-cultural expertise was conducted using two scenarios based on real incidents set in two different cultures. Each scenario contained surprising cultural behaviors. Three groups of participants (n = 60) with varying levels of expertise were compared. The results indicated several differences in the metacognitive strategies used to make sense of cultural anomalies. Overall, the types of reasoning cross-cultural experts engage in to make sense of cultural surprises were found to share characteristics with the reasoning processes exhibited by expert scientists. The findings of the current study have several implications for training specific aspects of cross-cultural competence.


Intercultural competence is broadly defined as a “complex of abilities needed to perform effectively and appropriately when interacting with others who are linguistically and culturally distinct from oneself.” In this report, the authors summarize theory and research on intercultural competence, paying particular attention to existing approaches and tools for its assessment. The authors also review examples of the assessment of intercultural competence in the specific contexts of general education and college foreign language and study abroad programs. These resources are intended to provide a useful basis to foreign language educators as they seek to understand and improve the intercultural competencies of their students.


International business programs often overlook the importance of educating students on proper and effective cross-cultural communication practices. The paper explains the three levels of cross-cultural management each student should accomplish (i.e., manage themselves, manage differences at the interpersonal level, and manage differences at the organizational level), and provides five exercises the help master these three levels. The five exercises include completing a cross-cultural interview, experiencing/understanding cross-cultural critical incidents, participating in a cross-cultural skit, reading cross-cultural news, and developing cross-cultural management skills. An experiment examined whether the five exercises improved cross-cultural sensitivity using control groups and a pre-test/post-test design. Results indicate that a training course covering the five exercises indeed improves inter-cultural sensitivity.


Globalization and the internationalization of the workforce and military have led to an increase in communication with culturally diverse peoples, thus increasing the need to train individuals to become culturally competent and adaptable. The chapter first discusses the values and general culture within the military and its academies across nations and compares military culture to civilian culture and values. These cultural differences are seen in the manner in which different
national militaries conduct and design operations. Next, the authors review and interpret the results of various studies that have examined cultural dimensions in the military. Future directions, such as intercultural training, are discussed.


This research aims to examine and validate a training/teaching simulation based on the Culturally-Affected Behavior (CAB) framework. The goal of the simulation is to educate participants on how to identify appropriate and inappropriate skills and abilities needed for effective cross-cultural interactions. The authors explain the various components, models, and theories that guide the framework of CAB. The evaluation of the simulation training consisted of both a control and an experimental group and three parts: a training session, a negotiation meeting, and a judgment survey. In the experimental group, participants completed a mock guided negotiation with a culturally different character using the CAB environment virtual simulation. This group was able to experiment using different negotiation procedures and see the various reactions from the virtual character (thus providing feedback on appropriate cross-cultural negotiation methods). In the control group, participants read about a scenario and wrote what they felt would be an appropriate negotiation method, rather than using the CAB prototype. In this condition, the participants received no feedback on the effectiveness of their negotiating decisions. Results indicated that the experimental group was more successful than the control group at discriminating between positive and negative sociocultural actions.


The author of this paper examines the importance of having a structured cultural and linguistic learning program in the Marine Corps that is similar to the programs used by Foreign Area Officers and Special Operations Command. Having strong cultural adaptability and understanding can foster strong relationships and help accomplish missions while military personnel are deployed in foreign countries. The paper explains the various levels of training and what each level aims to accomplish as well as presents arguments against extensive cultural training.


This report is an anthology of academic and government papers exploring sociocultural systems as it applies to military operations. There are 17 chapters that detail different facets of sociocultural systems. The topics range from individual considerations like personal biases, the role of nonverbal communications, and ethical dilemmas to more macro-perspectives detailing the influence of narratives, cultural heritages, resources, gender, and political and government factors. The anthology is meant to invoke more questions than it answers in hopes of facilitating robust debate and a better understanding of this complex topic into the future.
This report is a series of papers that were presented as part of a workshop during the International Joint Conference on Artificial Intelligence. The nine papers presented aim to connect various communities (such as computer science, psychology, communication, etc.) that share a common interest in modeling and understanding inter-cultural interactions. The papers presented cover an array of research foci, such as negotiation models, defining culture, and exploring various cultural contexts.

This article builds upon previous research on cultural intelligence (CQ) by introducing a new definition that includes the concept of mindfulness as a key component that links knowledge with behavioral capability. The authors describe a developmental model of CQ in which mindfulness plays a central role. The authors believe that there is a huge potential for a reliable measure of cultural intelligence and that this has important implications for explaining and predicting the cross-cultural interactions that are becoming more and more prevalent in today’s business setting.

This technical report presents the first of five tasks from a project to support Cultural Readiness for the Department of Defense. The first task was to identify existing measures that are reliable and valid for the measurement of cultural competency. The authors’ approach was to identify existing measures published in peer-reviewed literature in order to understand the available instruments, dimensions, and constructs they measure, the purposes and previous uses of these metrics, and their reported psychometric properties. This task supports the assessment of capabilities and requirements leading to the development of a common framework in order to set the stage for input to policy as well as for training and research efforts by the Department of Defense Cultural Center of Excellence. Lastly, this report describes 13 studies covering a range of constructs related to cultural competency and the metrics that were used for a variety of purposes. Only those studies that reported psychometric data were included in the review.

This literature review examines the individualism/collectivism dimension as a cross-cultural difference which can impact MEDM (moral and ethical decision-making). Because the Canadian
Forces have shifted their operations to occur at the Joint, Interagency, Multinational, and Public (JIMP) levels, the impact on team processes is examined. The paper reviews how previous research and theory have examined the impact of cultural diversity on psychological processes, and the findings/implications of the research is evaluated. Finally, Canadian Forces commanders compare their militaries to those of other countries. An alternative training system is reviewed in hopes that will lead to the development of a new framework for cross-cultural competency training.


In the modern age, cultural intelligence is required for effective relationship development between two or more cultural factions, which happens frequently both within and across organizations. This article reviews how a culturally intelligent person suspends judgment when observing the behaviors of another culture. Experiential training may foster a better understanding of cultural differences. Behavioral modification training may also decrease undesirable interactions between two cultures. Culturally intelligent individuals are able to adjust and transition between organizational environments easier, benefiting a workplace that employs overseas assignments.


This paper presents two sub-papers that address the way the SOF (Special Operations Forces) are organized and the effectiveness and success of this organizational system. In the Forward Deployed paper, the author defines both diplomacy and its relation to persuasion and war as well as culture and its array of characteristics. It is surmised that SOF operators must be cross-culturally competent in order to be effective in their line of duty. Finally, the first paper discusses selection and assessment strategies as they relate to SOFs and presents a review of how SOFs from different service components are selected and assessed with regard to cross-cultural competency. In the second piece, the author examines how SOF teams are organized and designed and the effects of varying group sizes. In discussing the function of small teams, the author also discusses the inevitable friction that stems from war and how SOF teams deal with it. It is concluded that changing the size of the team is not monumental when trying to change its overall effectiveness.


This white paper is the third and final in a series the Human Dimension Capabilities Task Force (HDCDTF) produced focusing on cross-cultural competence (3C). The papers review the extant literature on cross-cultural competence and intend to “broaden the impact and advance the outcomes of cross-cultural competence training, education and development among Army personnel as further emphasis is placed on the Human Dimension”. This third paper “discusses the principles of cross-cultural training and the process of developing cross-cultural competence”. It reviews a number of theories underpinning current 3C training research and implementation, examines common features among 3C training programs, highlights the academic debate regarding “the effectiveness of cross-cultural training”, describes currently available 3C tools the Army may wish to implement, and lastly, submits “a number of recommendations for how the Army may
consider preparing its Soldiers for more meaningful and effective cross-cultural encounters in the operating environment of the future”.


The aim of this special issue of the MIPB is to expand upon a broader view of the general and applied problems of 3C, without pre-conceived frameworks or biased notions of the challenges involved in the complexities of 3C conceptualization, training articulation, or operational application. The contributors wanted to examine, through first-hand experience, the problems and requirements of 3C development as told by those who daily instruct, practice, develop, and ultimately put these skills into practice. This issue explores ways in which these skills may be applied to human and military experiences where 3C becomes a critical issue, across a range of cultural settings and contexts, in training, and in operations as well as in everyday life.


This report examines how efficient and successful DoD has been in implementing regional expertise, cultural awareness, and language skill programs in the military. The article outlines how the different branches utilize varying strategies to train these three areas. The paper attempts to answer questions regarding the requirements of training, activities DoD has undertaken, cost/benefits, and what role DoD has played and will continue to play in these efforts. A roadmap outlines the four goals and four assumptions as well as the outcomes DoD desires from these efforts. Several suggestions and efforts already in place for training and maintaining these skills are outlined. Questions are posed for further study.


This strategic plan, developed by a team of subject matter experts, outlines the priorities of the Department of Defense regarding the military’s language skills, regional expertise, and cultural capabilities overseas. Specifically, the plan builds upon earlier Defense strategies and doctrine (e.g., National Defense Strategy, Defense Language Transformation Roadmap) by identifying and prioritizing the culturally-relevant requirements that will serve to enhance Service member performance. The plan is organized into several components, which include an overarching vision for the strategy, several goals and their corresponding objectives, and suggestions for performance measures to be developed. These components are all addressed within the context of a number of assumptions that reflect the realities and trends that are likely to influence DoD’s requirements and developmental trajectory for cultural performance.


Within the Army, adaptable language skills and cultural proficiency when operating abroad are two trainable skills that are crucial for mission success. To better train these skills, the author examines
the importance of strong leadership and methods of training that have proven successful in the past and in other contexts. This paper outlines the Army Culture Foreign Language Strategy, its goals, and the necessary procedure for proficiency success. Training measures, models, and domains are outlined so that the program can be customized. Appendices detail definitions, subject fields, and learning objectives for both culture and foreign language training.


This counterinsurgency operation manual for U.S. Marines and Army Soldiers acknowledges that wartime tactics and strategies must adapt to the cultural context of the country in order to achieve mission success. Thus, this manual provides a general foundation for understanding counterinsurgency that can be adapted and modified to the country where the efforts are needed. The manual provides an overview of insurgency and counterinsurgency, the roles of civilian and military personnel in these actions, and the role of intelligence in these actions. Approaches for designing, executing, and sustaining support in the host country during counterinsurgency operations are outlined. Finally, the role of leadership and ethics in these efforts are discussed. Appendices provide supporting materials, such as linguistic and cultural training considerations.


This handbook is designed to provide Soldiers with a basic understanding of Arab culture in pamphlet and bullet-point format. Each page provides a different focus, such as Arab dress styles, cultural norms and conflict, religious practices, etc. While most of the information is generalized, it provides a quick reference for Soldiers who already have a basic understanding of Arab culture.


This report outlines the requirement to train and develop LREC in support of its diverse missions and operational environments. The Navy developed this report outlining the need to train and develop language skills, regional expertise, and cultural awareness (LREC). The paper states the goals, vision, desired effects, mission, priorities and objectives, and tasks of LREC. Procedural steps are given that will help the Navy accomplish its goal of implementing the LREC strategy effectively.


This presentation overviews the preliminary findings of a GAO investigation into DoD’s efforts to develop a language and cultural awareness program. The GAO performed interviews and audits and also analyzed DoD’s efforts to plan, maintain, fund, and structure a training and education program for language and cultural awareness. The GAO points out shortcomings and the various
strategies used by the different military branches. The various roadmaps created by DoD are reviewed and analyzed for their success.


This brief report captures general observations and concerns that Afghans and Afghan Americans discussed at a Cultural Intelligence Seminar on Afghan Perceptions. The participants explain certain cultural norms and aspects that military personnel serving in Afghanistan should be aware of when serving in the country. Mannerisms, attitudes, and proper etiquette are discussed as well as nation building and negotiation methods.


The Cultural Intelligence Indicators Guide (CIIG) is a guide for understanding the cultural environment at the tactical level. It is designed to help Marines identify key cultural observables during security and atmospheric patrols and help tactical unit leaders identify and understand the information needed to influence their local environment. The purpose is to help Marines anticipate second and third order effects in order to shape and influence events to their advantage. The CIIG is divided into twelve sections: people and places, languages, schools and education, economy, health and well-being, environment, information, customs and practices, social organization, power and authority, values, beliefs and identities, and motivating issues. Within each section, questions are divided into indicators Marines can see during patrols and indicators Marines can discover by engaging with local populations. The CIIG also provides a practical application case study to illustrate how cultural intelligence indicators can be used to understand and ultimately change the local environment.


The Culture Generic Information Requirements Handbook (CGIRH) combines operational lessons learned with academic methods to give Marines a tool for making sense of any foreign culture in an expeditionary environment. Focusing on ‘cultural intelligence’, or the analysis and understanding of groups of people and the reasons they do the things they do, the CGIRH is designed to help Marines gather and interpret complex socio-cultural information in order to help commanders make better decisions. Cultural Intelligence is divided into the following categories: demographics, values, beliefs and cultural narratives, affiliations and identity, cultural economy, information, and military culture. The guide concludes with an annex of cultural considerations that tackles important cultural ‘rules of the road’ and provides questions Marines should consider.

The USMC created this pocket-sized pamphlet aimed to serve as a field source for a quick reference to Iraqi culture. The pamphlet includes basic information about Islamic religion, Iraqi cultural norms, social structure, and commonly used words/phonetic pronunciations.


Despite the importance of cross-cultural competence (3C) and the abundance of strategy, it is still unclear what constitutes 3C within the context of the United States military. 3C is broadly defined as “a set of culture-general knowledge, skills, abilities, and attitudes developed through education, training, and experience that provide the opportunity to interact effectively within a culturally complex environment” (Defense Language Office, 2010). Strides have been taken within the Department of Defense (DoD) research community to develop more clearly specified 3C models (like Selmeski 2007 and Ross 2008). In addition, research on 3C and related concepts has been progressing rapidly in the civilian sector, as is evidenced by the development of a large number of 3C models. All of these definitions, models, and frameworks encompass many attributes but still do not offer any specificity in terms of what 3C actually entails within the military context. The approaches within all of the efforts are similar but vary sufficiently to create ambiguity in terms of the conceptualization of 3C. The lack of clarity about what 3C, as a concept, entails is confusing, and it is a fundamental problem that affects not only the conceptualization of 3C but also how it is operationalized for the purposes of training, measurement, and institutionalization. In this chapter, the authors discuss some of the models and frameworks that have been used to define 3C within DoD and academic communities. The authors also examine the measurement of components of these models using existing instruments and methods, evaluate their quality, and propose new measurement approaches.


This empirical piece on cultural intelligence (CQ), an individual’s capacity to function and manage effectively in culturally diverse settings, points out that little research on CQ exists due to the relative newness of the construct. This chapter sets out to accomplish three objectives: 1) to integrate the literatures on intelligence and intercultural competencies, 2) to describe the development of a 20-item Cultural Intelligence Scale (CQS), and 3) to report the results of three studies that tested substantive predictions of CQ dimensions. The authors developed and then tested the validity of the CQS. This article reports that three cross-validation samples and three substantive studies provide strong empirical support for the reliability, stability, and validity of the CQS and demonstrate that specific dimensions of CQ have differential relationships with cognitive, affective, and behavioral intercultural effectiveness outcomes. This study was limited by the number of constructs assessed on each survey, which were shortened to avoid participant fatigue. Also, in order to maximize the understanding of the relationships between CQ and other constructs, the authors included varying individual difference constructs in the different studies. As a result,
consistency of study design was sacrificed for breadth of findings. The authors recommend that future research examine additional predictors and outcomes of CQ.


Within the realms of first person gaming environments, the characters within the digital environment rarely capture a specific culture. This paper aims to create a cultural model for software programmers to use when creating a gaming scenario. Goal directed behavior and its various determinants (such as personality, social norms, religion, etc.) are discussed as they relate to cultural and individual factors. The paper defines culture and its many facets (drawing mainly from Hofstede’s research) and elaborates on theories and previous research in the field. The paper also presents various models of human behavior that have been created by various researchers. Finally, considerations for implementing a cultural model into the gaming environment are discussed expansively. The authors note that future research should examine other aspects of human psychology (such as emotion and the interaction between social context and behavior) to create a more realistic gaming environment.


This report describes the development and purpose of the Culture and Cognition Laboratory (CCL), an Air Force Research Laboratory. The facility was stood up to give researchers a space to study the impact of culture on various behavioral and cognitive manifestations. CCL houses the Situational-Authorable Behavior Research Environment (SABRE), which allows researchers to study how people interact and cooperate with one another in a role-playing gaming situation. Using the SABRE, CLL has been able to use military subjects from five NATO countries to examine culture and team adaptability. The findings of this specific study showed that groups of mixed cultures performed better than groups whose members were all from the same culture. Other research conducted at CLL is discussed, as are methods for examining and modeling cross-cultural effects in research. Difficulties with conducting this type of research (such as language barriers, gaming experience, etc.) are also discussed to help guide future research using similar methodologies.


Due to the “irregular” challenges of the Global War On Terrorism (GWOT) as well as our military’s involvement in peacekeeping, nation-building, and humanitarian assistance in more and more places around the world, much attention is being given to developing intercultural effectiveness in our military personnel. To this end, each branch of the military has created special centers to promote the study and advancement of this concept. While each center has developed focused definitions of key concepts as well as specific ideas on training applications, there seems
to be a growing disconnect between the development of cross-cultural competence (3C) and language proficiency—two primary components of intercultural effectiveness (IE). While language proficiency is viewed as a necessary component of IE training, it is often considered of secondary importance and not as crucial to intercultural effectiveness as cross-cultural competence, which is comprised of a broader, more generalizable skill set than the time-intensive, perishable skill set of language proficiency. This paper will present arguments both for and against this idea and will draw conclusions as to the most beneficial perspective with which to view this issue.


Each branch of the military uses its own methods to train cross-cultural competency. As such, each branch also defines culture and intercultural effectiveness differently. This paper discusses these differences and similarities (for the Army, Marine Corps, and Air Force) as well as the approach taken by each branch to train cross-cultural competence, regional competence, and language proficiency to their members. The author considers the costs and benefits of having language taught separately from culture and explains that learning a regional language is equally important as learning the culture. Because language is typically given less attention than culture in military training, the author explains how this lack of same-path training can affect mission success.


In the near term and in future operational environments (OEs), the U.S. Army must have technically and tactically proficient and expeditionary-minded leaders who will be able to operate in a joint, interagency, intergovernmental, and multinational (JII M) environment across unified land operations and with a level of competence to perform assigned tasks in a specific geographic area. To that end, the U.S. Army Training and Doctrine Command (TRADOC) and U.S. Army Combined Arms Center (CAC) are working together to provide a globally responsive and regionally engaged Army with the language, regional expertise, and culture (LREC) competencies and capabilities that will enhance the operational adaptability of Soldiers, leaders, and units. The concept is to build LREC competencies and improve how units leverage LREC capabilities to effectively operate in the 21st century OE resulting in: 1. Soldiers, leaders, and units with LREC competencies to prevail in unified land operations with any combination of partners and allies and 2. An Army culture that embraces the value of LREC and requires career long development and sustainment of LREC competencies and capabilities as essential components of individual and unit readiness.


According to the authors, “this chapter deals with diversity management and training in non-American (non-United States) military forces. It is not possible to cover the entire range of military organizations around the world; however, [the authors] have attempted to illustrate some of the challenges facing non-American armed forces”. The chapter begins with “a discussion of internal organizational issues concerning diversity”. Examples are taken from South African, Canadian,
and German forces. The authors then discuss “the special challenges that peace operations pose for military organizations and give a detailed description of the intercultural training program developed for the German Armed Forces (Bundeswehr)”. The chapter concludes with “a discussion of various issues concerning the implementation of intercultural training”.


This technical report provides U.S. Army planners and trainers with information regarding 13 cultural performance requirements identified as critical for a sample of Soldiers who deployed or held a position outside of the U.S. within the past five years. Cultural performance requirements are the actions Soldiers must take on their jobs to work effectively with people from different cultural backgrounds in order to achieve the goals of their mission. The data presented in this report were analyzed from a sample of 4,157 active-duty Soldiers of varying ranks and occupations. Soldiers were asked to rate the importance of and frequency with which they performed tasks related to 13 different cultural performance dimensions. Results found that for each of the 13 dimensions, tasks related to that dimension were performed by 50-80% of the sample. As a group overall, officers were more likely to engage in cultural performance tasks than were enlisted or warrant officers. Patterns also emerged based on whether a Soldier was in a combat or support branch. The authors also provided recommendations regarding the training and education of knowledge and skills for these sociocultural dimensions based on the pattern of results.


The global war on terrorism has placed many Soldiers in unfamiliar territories with cultures and language unlike their own, calling for a need for strong cultural adaptability and language development. This article explains the various facets of cultural awareness training that Army Soldiers learn. The author highlights the importance of having cross-cultural adaptability and competence when deployed overseas and explains this knowledge as crucial to mission success.


Understanding the culture of the adversary allows Soldiers to better negotiate and predict and influence behavior when engaging in a cross-cultural interaction. This cultural awareness has led to multiple successful missions, and lack of cultural awareness can create conflict and hurt the effectiveness of a mission. This article discusses how cultural awareness is a combat multiplier and is a great aid to Soldiers abroad.


Knowing and understanding a wartime enemy is crucial when engaging in combat. Throughout history there have been several strategies used by the U.S. military to gain information about the
enemy and train Soldiers to better understand their adversary. This piece discusses the various strategies used to train cross-cultural competence from WWII to present day. Methods such as creating movies, pocket guides, and training programs have been used over the course of this time frame and are discussed.


Cross-cultural adaptability and competence are not easily trained, but this paper aims to alleviate that hurdle by presenting a methodology and conceptual model that can be applied to help military personnel understand and work effectively with people (both allies and adversaries) in other cultures. The author defines components of cultural awareness and then creates a conceptual framework for training cultural awareness that focuses on cultural influences, cultural variations, and cultural manifestations. This framework is then applied to Arab culture (more specifically to Iraq) to give a better understanding of the political, religious, and familial aspects of this culture. Finally, suggestions are given on the best ways to incorporate cultural awareness training into practice and doctrine. Multiple methods are discussed, as is the importance of implementing 3C training.


Nonverbal communication (such as gestures, facial expression, etc.) can often provide more information than what is actually verbalized during communications; however, these skills are often not taught during the military’s cultural awareness and language training. To develop a training protocol for training nonverbal communication, the researchers first conducted a needs assessment. They conducted an extensive literature review, created and administered a survey, and interviewed Soldiers and SMEs to determine what types of nonverbal cues were common in certain cultures, elicit critical incidents involving nonverbal communications, and evaluate the reliability and validity of these cues. Further, universal and culture-specific nonverbal cues were grouped into categories (such as facial expressions or emblematic gestures) for more efficient training purposes. Training methods, implementation strategies, and benefits are discussed. Seven training modules are proposed and outlined in the appendix.


While great strides have been made in the study of cross-cultural learning, the authors argue that existing research suffers from a number of limitations including: 1) a lack of a consistent cross disciplinary approach, making it difficult to integrate diverse findings, and 2) a focus on training the skills and abilities necessary for effective cross-cultural performance without accounting for how those skills are acquired or developed. In order to address these limitations, the authors conducted an extensive literature review of research on cross-cultural and expatriate competencies.
Findings highlighted a number of cross-cultural competencies essential to intercultural success including relationship building, coping with ambiguity, and adaptability and flexibility. Lastly, the authors created a comprehensive typology of the competencies necessary for cross-cultural learning. Using an experiential learning theory approach, the authors offer a framework for the skills necessary for cross-cultural learning, explore the relationship between cross-cultural skills and experiential learning, and suggest that future studies should be directed toward finding links between learning dimensions and various cultures.


This instructor’s manual aims to equip advisors with a better understanding of how to utilize and apply influence strategies to various cross-cultural scenarios. The manual first starts with a self-assessment tool, which provides cultural scenarios reported from returning advisors and six to seven corresponding influence tactics intended to help prospective advisors better understand their current influence strategies. A scoring sheet and interpretation guide are provided as well to help define an individual’s capability on various influence tactics. Finally, a discussion guide with questions is provided to assist instructors in training. Multiple approaches to using the manual and presenting the information in a classroom setting are provided.


This paper is the advisor version to ADA531634 (see Zbylut, Wisecarver, Foldes, & Schneider, 2010a). It contains a self-assessment tool that examines the influence style an advisor may utilize in various types of cross-cultural situations. Types of influence strategies are evaluated, and a reflection exercise is described.


Using survey data gathered from 565 Marine and Army advisors returning from deployment, the researchers examined self-reported activities that were performed and how these activities related to performance success. The survey allowed advisors to rate the frequency and importance of 151 different interpersonal, linguistic/communication, cultural, and advisory activities. Detailed analyses of the results are included, and limitations are discussed. Overall, this study gives better insight into the KSAs required for advisor success in intercultural situations and has important training and selection implications.


This is a research note to the ARI Technical Report 1248 (see Zbylut, Metcalf, McGowan, Beemer, Brunner, & Vowels, 2009a). This paper provides descriptive statistics on the technical report’s findings. The analyses examine the advisor activities across various team member positions. The results provide a more comprehensive understanding of the KSAs and activities that are performed in specific transition team member positions.


This paper focuses on cultural awareness training in the realms of the military. The author points out areas that are in need of improvement (such as language training) or are taught inadequately. Because cultural knowledge is very complex, the author states that immersion, interaction, and integration into the foreign culture are essential to developing cultural awareness. However, the author also acknowledges the counterargument for not implementing such intense training due to the high amounts of resources, research, and funding needed.
Author Index

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