



DEPARTMENT OF THE AIR FORCE  
59TH MEDICAL WING (AETC)  
JOINT BASE SAN ANTONIO - LACKLAND TEXAS

3 MAR 2017

MEMORANDUM FOR SGVU

ATTN: COL LINDA STEEL-GOODWIN

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled 59<sup>th</sup> Clinical Research Division, CIRT Presentation presented at/published to Clinical Investigation Research Training Meeting, 30 March 2017, BAMC, San Antonio, TX in accordance with MDWI 41-108, has been approved and assigned local file #17115.
2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.
4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

LINDA STEEL-GOODWIN, Col, USAF, BSC  
Director, Clinical Investigations & Research Support

## PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS

### INSTRUCTIONS

#### USE ONLY THE MOST CURRENT 59 MDW FORM 3039 LOCATED ON AF E-PUBLISHING

1. The author must complete page two of this form:
  - a. In Section 2, add the funding source for your study [ e.g., 59 MDW CRD Graduate Health Sciences Education (GHSE) (SG5 O&M); SG5 R&D; Tri-Service Nursing Research Program (TSNRP); Defense Medical Research & Development Program (DMRDP); NIH; Congressionally Directed Medical Research Program (CDMRP) ; Grants; etc.]
  - b. In Section 2, there may be funding available for journal costs, if your department is not paying for figures, tables or photographs for your publication. Please state "YES" or "NO" in Section 2 of the form, if you need publication funding support.
2. Print your name, rank/grade, sign and date the form in the author's signature block or use an electronic signature.
3. Attach a copy of the 59 MDW IRB or IACUC approval letter for the research related study. If this is a technical publication/presentation, state the type (e.g. case report, QA/QI study, program evaluation study, informational report/briefing, etc.) in the "Protocol Title" box.
4. Attach a copy of your abstract, paper, poster and other supporting documentation.
5. Save and forward, via email, the processing form and all supporting documentation to your unit commander, program director or immediate supervisor for review/approval.
6. On page 2, have either your unit commander, program director or immediate supervisor:
  - a. Print their name, rank/grade, title; sign and date the form in the approving authority's signature block or use an electronic signature.
7. Submit your completed form and all supporting documentation to the CRD for processing (59crdpubspres@us.af.mil). **This should be accomplished no later than 30 days before final clearance is required to publish/present your materials.** If you have any questions or concerns, please contact the 59 CRD/Publications and Presentations Section at 292-7141 for assistance.
8. The 59 CRD/Publications and Presentations Section will route the request form to clinical investigations, 502 ISG/JAC (Ethics Review) and Public Affairs (59 MDW/PA) for review and then forward you a final letter of approval or disapproval.
9. Once your manuscript, poster or presentation has been approved for a one-time public release, you may proceed with your publication or presentation submission activities, as stated on this form. **Note:** For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.
10. If your manuscript is accepted for scientific publication, please contact the 59 CRD/Publications and Presentations Section at 292-7141. This information is reported to the 59 MDW/CC. All medical research or technical information publications/presentations must be reported to the Defense Technical Information Center (DITC). See 59 MDWI 41-108, *Presentation and Publication of Medical and Technical Papers*, for additional information.
11. The Joint Ethics Regulation (JER) DoD 5500.07-R, *Standards of Conduct*, provides standards of ethical conduct for all DoD personnel and their interactions with other non-DoD entities, organizations, societies, conferences, etc. Part of the Form 3039 review and approval process includes a legal ethics review to address any potential conflicts related to DoD personnel participating in non-DoD sponsored conferences, professional meetings, publication/presentation disclosures to domestic and foreign audiences, DoD personnel accepting non-DoD contributions, awards, honoraria, gifts, etc. The specific circumstances for your presentation will determine whether a legal review is necessary. **If you (as the author) or your supervisor check "NO" in block 17 of the Form 3039, your research or technical documents will not be forwarded to the 502 ISG/JAC legal office for an ethics review.** To assist you in making this decision about whether to request a legal review, the following examples are provided as a guideline:

For presentations before professional societies and like organizations, the 59 MDW Public Affairs Office (PAO) will provide the needed review to ensure proper disclaimers are included and the subject matter of the presentation does not create any cause for DoD concern.

If the sponsor of a conference or meeting is a DoD entity, an ethics review of your presentation is not required, since the DoD entity is responsible to obtain all approvals for the event.

If the sponsor of a conference or meeting is a non-DoD commercial entity or an entity seeking to do business with the government, then your presentation should have an ethics review.

If your travel is being paid for (in whole or in part) by a non-Federal entity (someone other than the government), a legal ethics review is needed. These requests for legal review should come through the 59 MDW Gifts and Grants Office to 502 ISG/JAC.

If you are receiving an honorarium or payment for speaking, a legal ethics review is required.

If you (as the author) or your supervisor check "YES" in block 17 of the Form 3039, your research or technical documents will be forwarded simultaneously to the 502 ISG/JAC legal office and PAO for review to help reduce turn-around time. If you have any questions regarding legal reviews, please contact the legal office at (210) 671-5795/3365, DSN 473.

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement:

***"The views expressed are those of the [author(s)] [presenter(s)] and do not reflect the official views or policy of the Department of Defense or its Components"***

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving humans:

***"The voluntary, fully informed consent of the subjects used in this research was obtained as required by 32 CFR 219 and DODI 3216.02\_AFI 40-402."***

**NOTE:** All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving animals, as required by AFMAN 40-401\_IP :

***"The experiments reported herein were conducted according to the principles set forth in the National Institute of Health Publication No. 80-23, Guide for the Care and Use of Laboratory Animals and the Animal Welfare Act of 1966, as amended."***



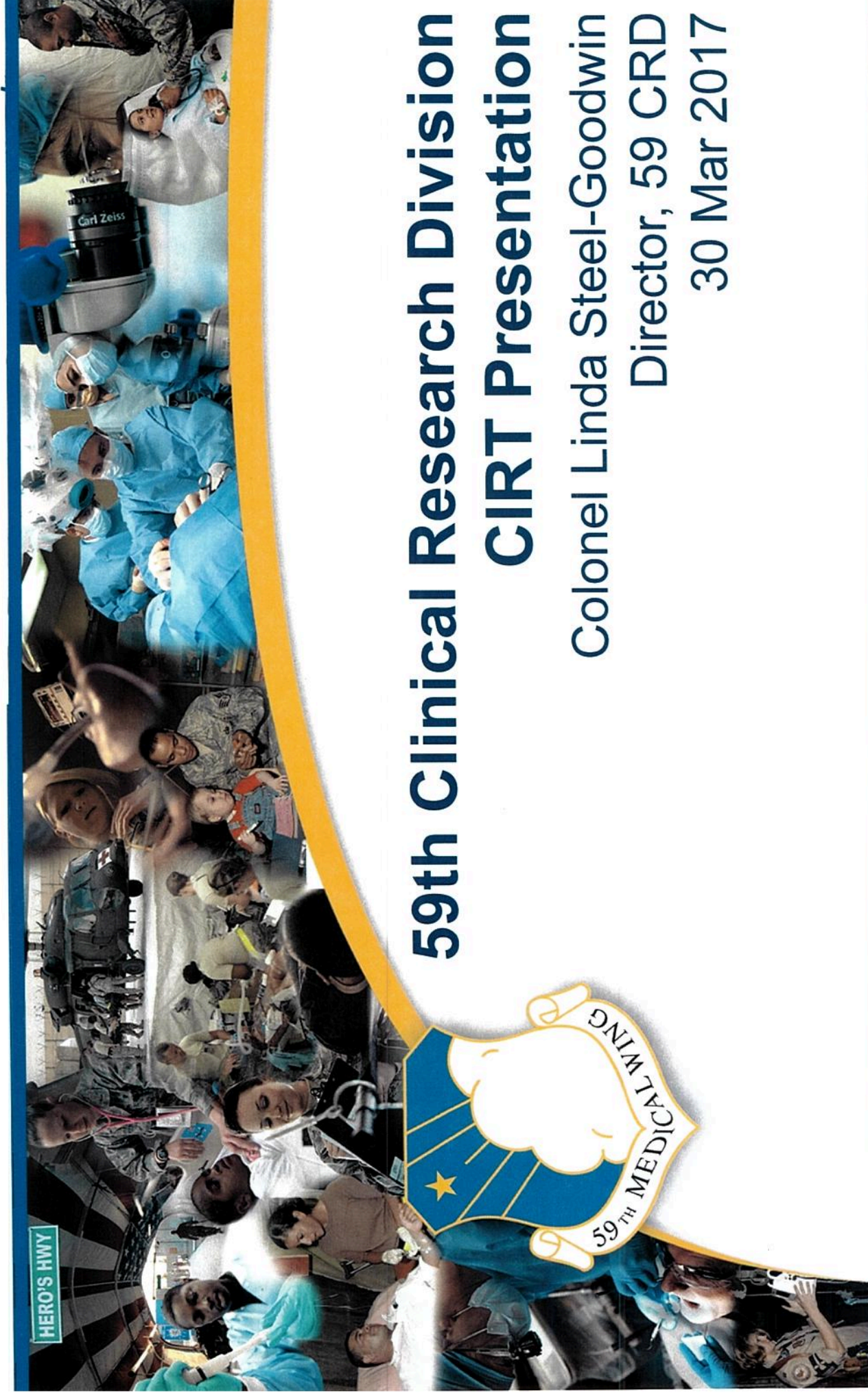
| <b>PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS</b>                                                                                                                                                                                                                                                                                                                                              |                                                                                               |                                                                                          |                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------|
| 1. TO: CLINICAL RESEARCH                                                                                                                                                                                                                                                                                                                                                                                                             | 2. FROM: (Author's Name, Rank, Grade, Office Symbol)<br>LINDA STEEL-GOODWIN, COL, 59 MDW/SGVU | 3. GME/GHSE STUDENT: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | 4. PROTOCOL NUMBER:<br>N/A                  |
| 5. PROTOCOL TITLE: ( <b>NOTE:</b> For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.)                                                                                                                                                                                                                                |                                                                                               |                                                                                          |                                             |
| 6. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED:<br>59TH CLINICAL RESEARCH DIVISION, CIRT PRESENTATION                                                                                                                                                                                                                                                                                                                             |                                                                                               |                                                                                          |                                             |
| 7. FUNDING RECEIVED FOR THIS STUDY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO FUNDING SOURCE:                                                                                                                                                                                                                                                                                                              |                                                                                               |                                                                                          |                                             |
| 8. DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                                                                                                                                                                                                                                                                         |                                                                                               |                                                                                          |                                             |
| 9. IS THIS MATERIAL CLASSIFIED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                                                                                                                                                                                                                                                                                                  |                                                                                               |                                                                                          |                                             |
| 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT ETC.? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <b>NOTE:</b> If the answer is YES then attach a copy of the Agreement to the Publications/Presentations Request Form. |                                                                                               |                                                                                          |                                             |
| 11. MATERIAL IS FOR: <input checked="" type="checkbox"/> DOMESTIC RELEASE <input type="checkbox"/> FOREIGN RELEASE<br>CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.                                                                                                                                                                                              |                                                                                               |                                                                                          |                                             |
| <input type="checkbox"/> 11a. PUBLICATION/JOURNAL (List intended publication/journal.)                                                                                                                                                                                                                                                                                                                                               |                                                                                               |                                                                                          |                                             |
| <input type="checkbox"/> 11b. PUBLISHED ABSTRACT (List intended journal.)                                                                                                                                                                                                                                                                                                                                                            |                                                                                               |                                                                                          |                                             |
| <input type="checkbox"/> 11c. POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)                                                                                                                                                                                                                                                                                                             |                                                                                               |                                                                                          |                                             |
| <input type="checkbox"/> 11d. PLATFORM PRESENTATION (At civilian institutions: name of meeting, state, and date of meeting.)                                                                                                                                                                                                                                                                                                         |                                                                                               |                                                                                          |                                             |
| <input checked="" type="checkbox"/> 11e. OTHER (Describe: name of meeting, city, state, and date of meeting.)<br>CLINICAL INVESTIGATION RESEARCH TRAINING MEETING, 30TH MARCH 2017, BAMC, SAN ANTONIO, TX                                                                                                                                                                                                                            |                                                                                               |                                                                                          |                                             |
| 12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ASSIGNED FILE # _____ DATE _____                                                                                                                                                                                                                      |                                                                                               |                                                                                          |                                             |
| 13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC<br><b>NOTE:</b> All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).                                                                                                                                                                                                    |                                                                                               |                                                                                          |                                             |
| DATE _____                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                               |                                                                                          |                                             |
| 14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)<br>STEEL-GOODWIN, LINDA                                                                                                                                                                                                                                                                                                                                     |                                                                                               |                                                                                          | 15. DUTY PHONE/PAGER NUMBER<br>210-292-7069 |
| 16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.                                                                                                                                                                                                                                                                                                                                                |                                                                                               |                                                                                          |                                             |
| LAST NAME, FIRST NAME AND M.I.                                                                                                                                                                                                                                                                                                                                                                                                       | GRADE/RANK                                                                                    | SQUADRON/GROUP/OFFICE SYMBOL                                                             | INSTITUTION (If not 59 MDW)                 |
| a. Primary/Corresponding Author<br>LINDA STEEL-GOODWIN                                                                                                                                                                                                                                                                                                                                                                               | COL                                                                                           | 59 MDW/SGVU                                                                              |                                             |
| b.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |                                                                                          |                                             |
| c.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |                                                                                          |                                             |
| d.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |                                                                                          |                                             |
| e.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                               |                                                                                          |                                             |
| 17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                                                                                                                                                                                                                                                                                                 |                                                                                               |                                                                                          |                                             |
| I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.                                                                                                                              |                                                                                               |                                                                                          |                                             |
| 18. AUTHOR'S PRINTED NAME, RANK, GRADE<br>LINDA STEEL-GOODWIN, COL                                                                                                                                                                                                                                                                                                                                                                   | 19. AUTHOR'S SIGNATURE<br>STEEL GOODWIN LINDA.1186463583                                      |                                                                                          | 20. DATE<br>February 24, 2017               |
| 21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE<br>Kevin Steel, Lt Col, USAF, MC; Dep Chief Scientist                                                                                                                                                                                                                                                                                                                            | 22. APPROVING AUTHORITY'S SIGNATURE<br>STEEL KEVIN E.1162266558                               |                                                                                          | 23. DATE<br>February 27, 2017               |

| <b>PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS</b>                                                                                              |                                                                                                                                                                                                                                                                                                |                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>1st ENDORSEMENT (59 MDW/SGVU Use Only)</b>                                                                                                                                        |                                                                                                                                                                                                                                                                                                |                                                      |
| TO: Clinical Research Division<br>59 MDW/CRD<br>Contact 292-7141 for email instructions.                                                                                             | 24. DATE RECEIVED<br>February 27, 2017                                                                                                                                                                                                                                                         | 25. ASSIGNED PROCESSING REQUEST FILE NUMBER<br>17115 |
| 26. DATE REVIEWED<br>28 Feb 2017                                                                                                                                                     | 27. DATE FORWARDED TO 502 ISG/JAC                                                                                                                                                                                                                                                              |                                                      |
| 28. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES If yes, give date. _____ <input type="checkbox"/> N/A |                                                                                                                                                                                                                                                                                                |                                                      |
| 29. COMMENTS <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED<br>The presentation is approved.                                                      |                                                                                                                                                                                                                                                                                                |                                                      |
| 30. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER<br>Rocky Calcote, PhD, Clinical Research Administrator                                                                               | 31. REVIEWER SIGNATURE<br>CALCOTE ROCKY.D.1178245844<br><small>Digitaly signed by: ROCKY.D.1178245844<br/>           DN: cn=US, o=U.S. Government, ou=OSD, ou=PM, ou=USAF,<br/>           email=ROCKY.D.1178245844<br/>           Date: 2017.02.28 04:37:27 -0500</small>                      | 32. DATE                                             |
| <b>2nd ENDORSEMENT (502 ISG/JAC Use Only)</b>                                                                                                                                        |                                                                                                                                                                                                                                                                                                |                                                      |
| 33. DATE RECEIVED                                                                                                                                                                    | 34. DATE FORWARDED TO 59 MDW/PA                                                                                                                                                                                                                                                                |                                                      |
| 35. COMMENTS <input type="checkbox"/> APPROVED (In compliance with security and policy review directives.) <input type="checkbox"/> DISAPPROVED                                      |                                                                                                                                                                                                                                                                                                |                                                      |
| 36. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER                                                                                                                                      | 37. REVIEWER SIGNATURE                                                                                                                                                                                                                                                                         | 38. DATE                                             |
| <b>3rd ENDORSEMENT (59 MDW/PA Use Only)</b>                                                                                                                                          |                                                                                                                                                                                                                                                                                                |                                                      |
| 39. DATE RECEIVED<br>February 28, 2017                                                                                                                                               | 40. DATE FORWARDED TO 59 MDW/SGVU<br>March 02, 2017                                                                                                                                                                                                                                            |                                                      |
| 41. COMMENTS <input checked="" type="checkbox"/> APPROVED (In compliance with security and policy review directives.) <input type="checkbox"/> DISAPPROVED                           |                                                                                                                                                                                                                                                                                                |                                                      |
| 42. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER<br>Kevin Iinuma, SSgt/E-5, 59 MDW Public Affairs                                                                                     | 43. REVIEWER SIGNATURE<br>IINUMA KEVIN.MITSUGU.1296227<br>613<br><small>Digitaly signed by: KEVIN.MITSUGU.1296227613<br/>           DN: cn=US, o=U.S. Government, ou=OSD, ou=PM, ou=USAF,<br/>           email=KEVIN.MITSUGU.1296227613<br/>           Date: 2017.03.02 11:39:47 -0500</small> | 44. DATE<br>March 02, 2017                           |
| <b>4th ENDORSEMENT (59 MDW/SGVU Use Only)</b>                                                                                                                                        |                                                                                                                                                                                                                                                                                                |                                                      |
| 45. DATE RECEIVED                                                                                                                                                                    | 46. SENIOR AUTHOR NOTIFIED BY PHONE OF APPROVAL OR DISAPPROVAL<br><input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> COULD NOT BE REACHED <input type="checkbox"/> LEFT MESSAGE                                                                                 |                                                      |
| 47. COMMENTS <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED                                                                                                  |                                                                                                                                                                                                                                                                                                |                                                      |
| 48. PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER                                                                                                                                      | 49. REVIEWER SIGNATURE                                                                                                                                                                                                                                                                         | 50. DATE                                             |





# 59th Medical Wing



## 59th Clinical Research Division CIRT Presentation

Colonel Linda Steel-Goodwin  
Director, 59 CRD  
30 Mar 2017



# Disclaimer

**Warrior Medics – Mission Ready – Patient Focused**

The views expressed are those of the author and do not reflect the official views or policy of the Department of Defense or its Components





# Agenda

*Warrior Medics – Mission Ready – Patient Focused*

- Overview & Staff Expertise
- CIP Research Funding
- IRB/IACUC Research Subjects Protection
- Research Compliance
- GME/GHSE Animal Research & Training
  - Surgical and Pathology Capabilities
  - AAALAC “Emeritus” Internationally-Accredited Vivarium
- Laboratory Capabilities
- Research Statistical Support
- Research Publications/Presentations Clearance
- Website
- Points of Contact







# CRD Overview

*Warrior Medics – Mission Ready – Patient Focused*

The 59 CRD provides centralized admin, technical, logistical, statistical, and scientific support and regulatory oversight and guidance to researchers in the development, performance, and dissemination of clinical investigations.

CRD directly supports wing readiness and certification training requirements for **residents, fellows, nurses, allied healthcare professionals, and providers.**

## Four Focus Areas:

1. Clinical Investigation Support
2. Training
3. Support of RDT&E protocols
4. Research Subject Protection
  - Human Subjects: IRB – Institutional Review Board
  - Animal Subjects: IACUC – Institutional Animal Care and Use Committee



# CRD Staff Expertise

**Warrior Medics – Mission Ready – Patient Focused**

- 1 – DVM, Board Certified American College of Lab Animal Medicine; Certified by American College of Veterinary Pathology
- 1 – PhD, Physiology/Biochem – Clinical Research Admin; Certified by Aerospace Medical Assoc; Certified in Hyperbaric Physiology
- 1 – ScD, Biostatistics/Epidemiology – Animal Research Admin
- 2 – PhD, Molecular Biology/Virology
- 1 – PhD, Chemistry
- 1 – PhD, Biochemistry
- 1 – PhD, Biology/Neurology
- 1 – DrPH, Public Health in Disease/Immunology/Occu. Health
- 1 – DHSc, Health Science; Licensed Physician Assistant
- 10 – Masters Degrees in various disciplines





# IRB / IACUC

*Warrior Medics – Mission Ready – Patient Focused*

## PROTECTION OF HUMAN RESEARCH SUBJECTS – IRB

- Primary AFMS IRB – Support over 40 sites (CONUS & OCONUS)
- Review, modify, approve/disapprove human research protocols
- Ensure training for all personnel involved in human research
- Observe/verify protocol changes
- Suspend or terminate approval

## PROTECTION OF ANIMAL RESEARCH SUBJECTS – IACUC

- Set animal use policy
- Review, modify, approve/disapprove animal use protocols
- Ensure training for all personnel working with animals
- Establish Policies for use of Clinical Research Division Facility



# Research Compliance

*Warrior Medics – Mission Ready – Patient Focused*

## POST-APPROVAL MONITORING (PAM)

- Improves the quality, efficiency, and effectiveness of the 59 MDW Human Research Protection Program (HRPP)
- Maximizes safety of research participants; ensures data integrity
- Confirms that research is implemented in accordance with IRB-approved protocols and applicable regulations/policies
- Provides education/tools to researchers to reduce institutional risk
- Review of study records, data storage, and security processes





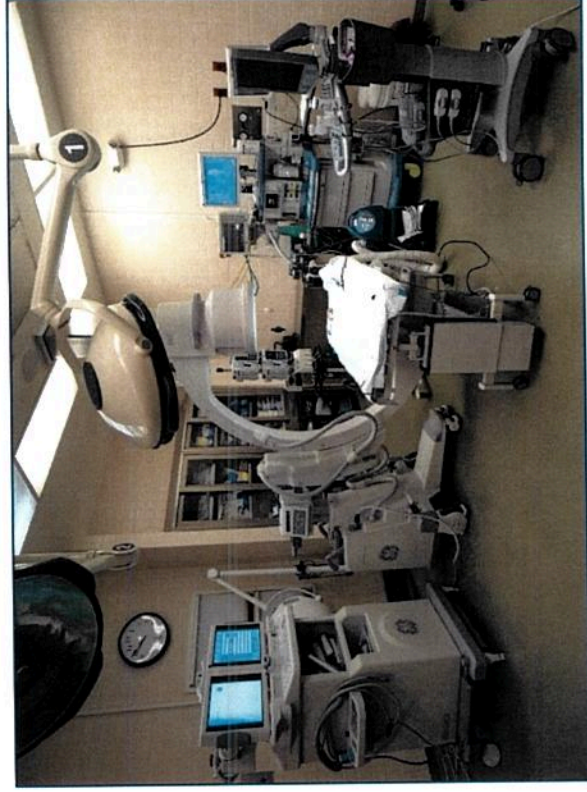
# GME / GHSE Animal Research and Training



*Warrior Medics – Mission Ready – Patient Focused*

## SURGICAL CAPABILITIES

- Three operating room suites:
  - General and Vascular Surgery
  - Orthopedic
  - Ophthalmic
  - Maxillofacial/Dental
  - Microsurgery
- da Vinci Robotic Surgical System
- C-Arm
- Radiology/Imaging:
  - Fluoroscopy
  - Ultrasound
  - Digital Film
- Hyperbaric/hypobaric chamber
- Two Instron Materials Testers
- Over \$13M in medical equipment







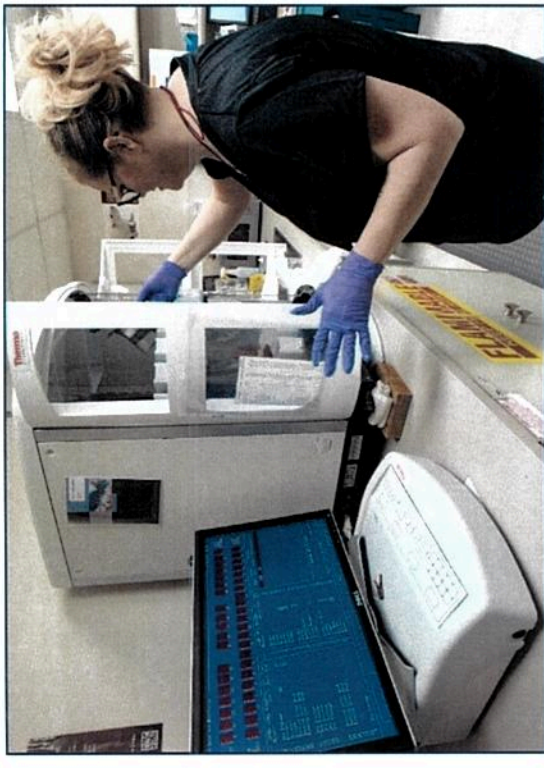
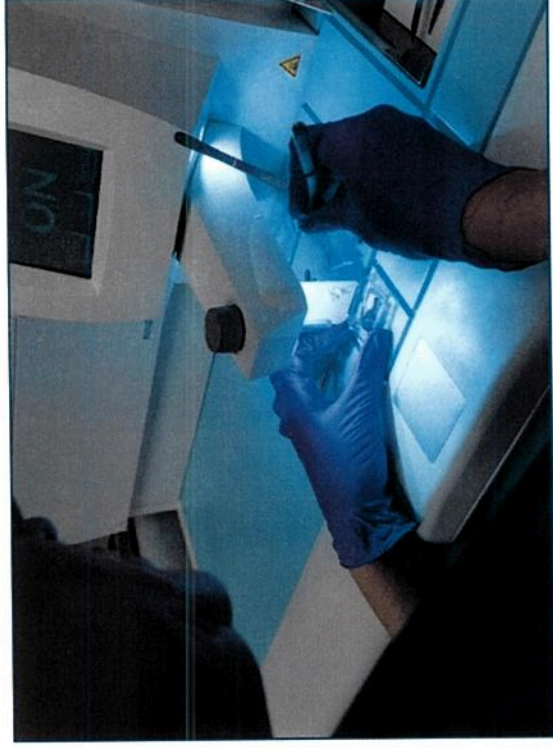
# GME / GHSE Animal Research and Training



Warrior Medics – Mission Ready – Patient Focused

## PATHOLOGY CAPABILITIES

- Fully equipped necropsy room
- Animal histopathology laboratory
- Gross and microscopic analyses of:
  - Tissues
  - Lesions
  - Bones
  - Teeth
  - Metal prostheses







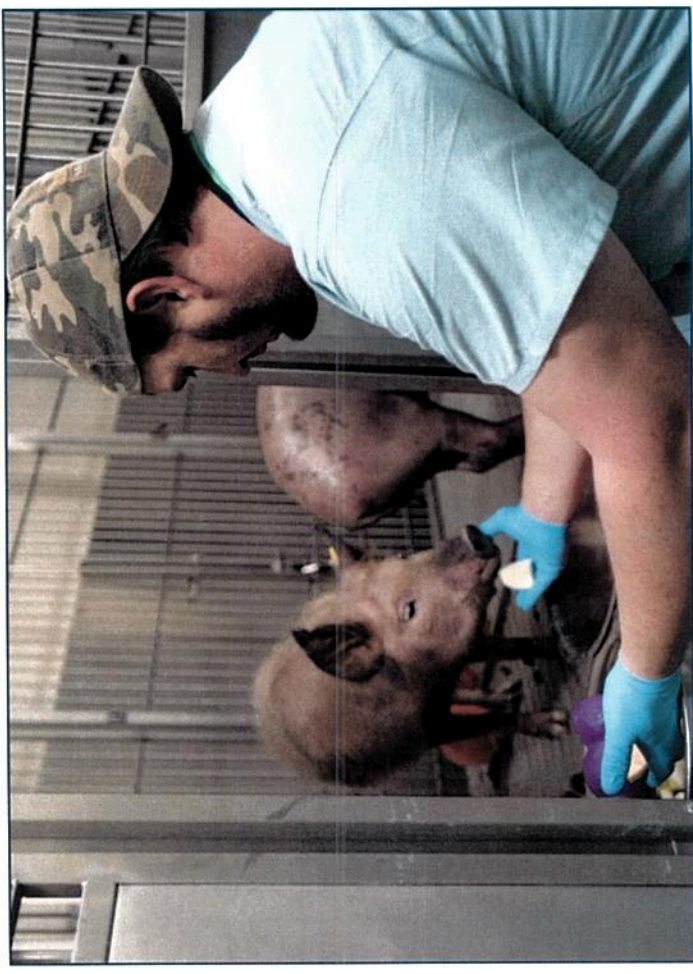
# GME / GHSE Animal Research and Training



*Warrior Medics – Mission Ready – Patient Focused*

## AAALAC-ACCREDITED “EMERITUS” VIVARIUM

- Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC)
- Currently houses five (5) animal species for research and medical training
- 25,000 sq. ft. vivarium; 21 large animal cages, can house up to seven (7) species
- 31,000 sq. ft. of paddock area for up to 250 animals
- Animal Holding Expansion:
  - Adding 10 individual cages
  - Adding a large animal run
  - Adding 27 indoor holding cages







# Laboratory Capabilities

Warrior Medics – Mission Ready – Patient Focused

## CELL BIOLOGY & IMMUNOLOGY

### Equipment:

- Dedicated BSL-2 Hoods
- Flow Cytometer
- Fluorescent Microscopy
- Confocal Microscopy
- Microdialysis Analysis
- Microplate Reader
- MagPix

### Capabilities:

- Tissue Culture
  - Proliferation-Viability
  - Cell Stain
- Fluorescent Microscopy/Image Analysis
- Analysis of Brain/Kidney Microdialysate
- Single-Plex/Multiplex Biomarker Detection/Quantification
- Cell Marker Detection/Identification







# Laboratory Capabilities

*Warrior Medics – Mission Ready – Patient Focused*

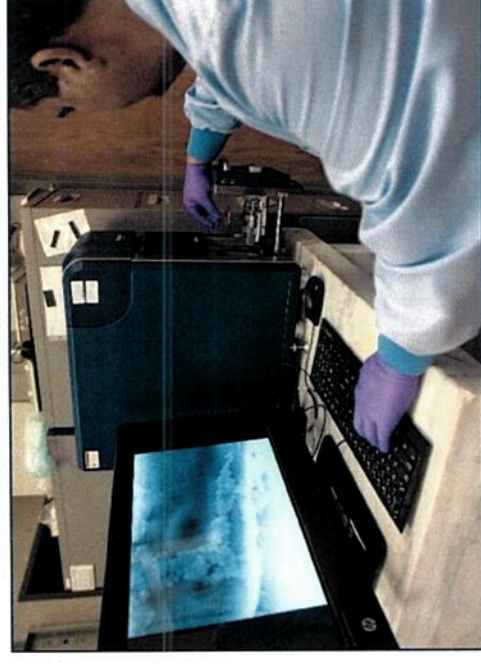
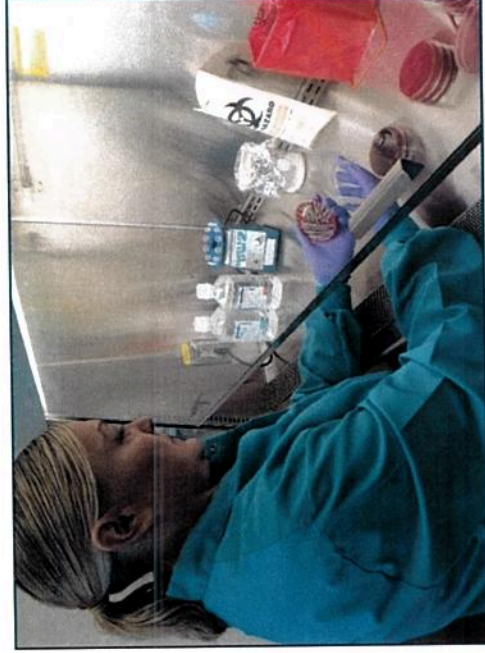
## MICROBIOLOGY

### Equipment:

- VITEK Bacterial ID/Susceptibility System
- Aerobic/Anaerobic Incubators
- Laminar Flow Biological Safety Cabinet
- Bright Field Microscopy
- Electron Microscopy

### Capabilities:

- Aerobic & Anaerobic Bacterial Cultures
- Bacterial ID and Susceptibility
- Bacterial Adhesion Studies
- Disinfectant Reliability Studies
- Epidemiology Studies
- Comparison of Conventional & New Clinical Microbiology Methodologies







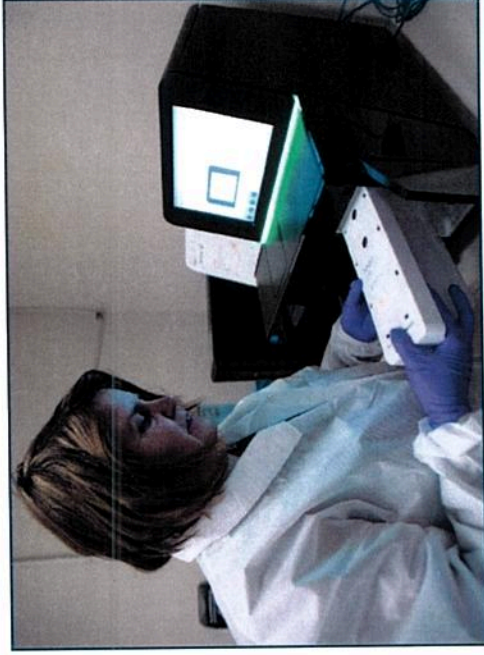
# Laboratory Capabilities

Warrior Medics – Mission Ready – Patient Focused

## MOLECULAR BIOLOGY

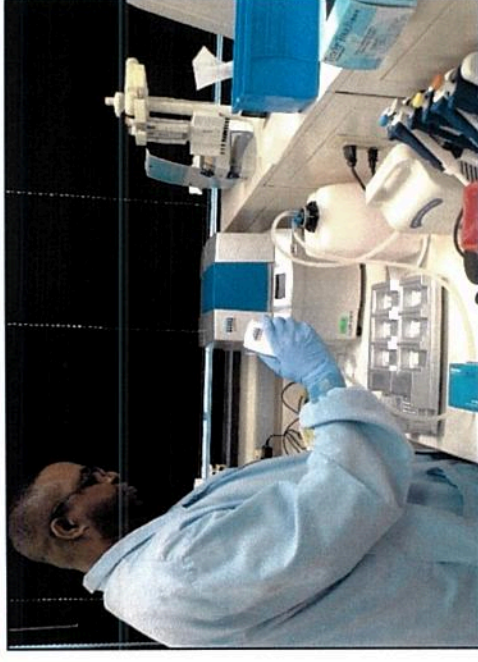
### Equipment:

- Next Generation Sequencers
  - NextSeq 500
  - Personal Genome Machine (PGM)
- Automated Extractor
- PCR & RT-PCR
- Pyro and Sanger Sequencing
- Ultrasonicator
- Fragment Analyzer
- Microarray



### Capabilities:

- Nucleic Acid Sequencing
  - Full Genome
  - Exome
  - Transcriptome
  - Multiplex-Targeted
  - Microbiome
- Genotyping/SNP Detection
- Nucleic Acid Fragmentation
- Nucleic Acid Quantification and Quality Assessment







# Laboratory Capabilities

Warrior Medics – Mission Ready – Patient Focused

## HEMATOLOGY & HEMOSTASIS

### Equipment:

- CBC Analyzer (Human & Multispecies Capable)
- Coagulation Analyzers
  - STA-R Evolution Hemostasis System
  - Thromboelastograph Hemostasis Analyzers
  - ROTEM® Delta System

### Capabilities:

- Complete Blood Count
  - Platelet
  - Reticulocyte
  - Differential
- Routine/Specialty Coagulation Testing
  - PT/PTT/Fibrinogen
  - Clotting Time, Speed of Clot Formation, Clot Firmness







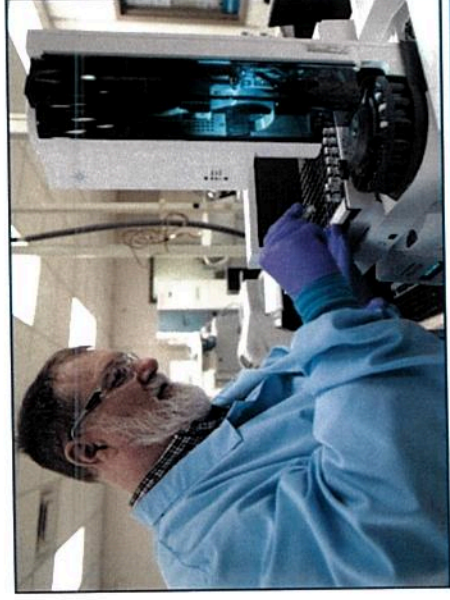
# Laboratory Capabilities

*Warrior Medics – Mission Ready – Patient Focused*

## CHEMISTRY / TOXICOLOGY

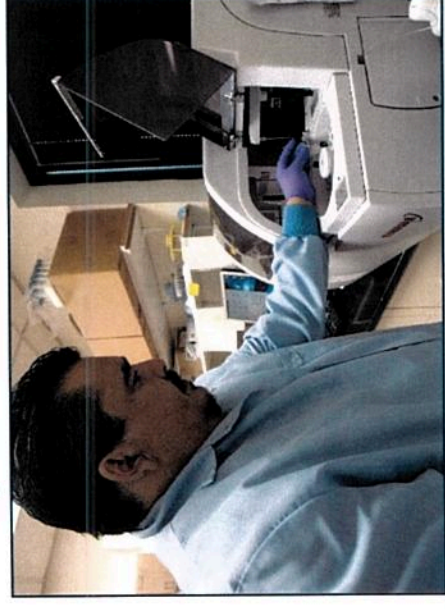
### Equipment:

- High/Ultra Performance Liquid Chromatography
  - Photodiode Array Detectors
  - Fluorescent Detectors
- Clinical Chemistry Analyzer
- pH/ISE/Conductivity Meter
- Three-Liquid Chromatographic Triple Quadrupole Mass Spectrometers
- Two-Gas Chromatographic Mass Specs
- Solid Phase Extraction System



### Capabilities:

- Drug and Drug Metabolites
- Natural Product Chemistry
- Disease Predictors
- Medical Readiness Research
- Full range of Clinical Chemistry analyses on Various Sample Types
- High Sensitivity pH and Ion Monitoring
- Therapeutic Drug/Immune Suppressants
- Analgesics in Pain Management
- Toxic Compounds and Allergens







# Publications & Presentations

Warrior Medics – Mission Ready – Patient Focused

59 MDW FORM 3039

- Processing of Professional Medical Research/Technical Publications/Presentations (DoD Requirement)
- Enables funding source to be identified (ST requirement)
- Enables author to identify funding needs for publication

| PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>INSTRUCTIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| 1. The author must complete this form for all publications (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UU, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ). |  |

| PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS                                                                                                    |                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. TO CLINICAL RESEARCH: 1. FROM: Author's Name, Title, Grade, Other (Optional)                                                                                                     | 2. ASSIGNED PROCESSING REQUEST FILE NUMBER                                                                                                                                            |
| 3. PROPOSED TITLE: (Please include a brief summary of the research or technical information in a publication/presentation, if applicable, and be submitted for review and approval) | 4. DATE RECEIVED                                                                                                                                                                      |
| 5. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED                                                                                                                                   | 6. DATE FORWARDED TO B2B/DOAC                                                                                                                                                         |
| 7. FUNDING RECEIVED FOR THIS STUDY: <input type="checkbox"/> YES <input type="checkbox"/> NO FUNDING SOURCE: <input type="checkbox"/> YES <input type="checkbox"/> NO               | 8. AUTHOR CONTACTED FOR RECOMMENDATION ON NECESSARY CHANGES: <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> N/A DATE: <input type="checkbox"/> N/A |
| 9. DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES: <input type="checkbox"/> YES <input type="checkbox"/> NO                                                                   | 10. COMMENTS: <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED                                                                                                  |
| 11. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION PURPOSES? (Check all that apply): <input type="checkbox"/> YES <input type="checkbox"/> NO   | 12. DATE                                                                                                                                                                              |
| 12. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION PURPOSES? (Check all that apply): <input type="checkbox"/> YES <input type="checkbox"/> NO   | 13. REVIEWER SIGNATURE                                                                                                                                                                |
| 13. MATERIAL IS FOR: <input type="checkbox"/> CONVENTIONAL RELEASE <input type="checkbox"/> FOREIGN RELEASE                                                                         | 14. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 14. MATERIAL IS FOR: <input type="checkbox"/> CONVENTIONAL RELEASE <input type="checkbox"/> FOREIGN RELEASE                                                                         | 15. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 15. PUBLISHED ABSTRACT (See instruction page 1)                                                                                                                                     | 16. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 16. POSTER (If the abstracted research, name of meeting, city, state, and date of meeting)                                                                                          | 17. REVIEWER SIGNATURE                                                                                                                                                                |
| 17. PLATFORM PRESENTATION (At which platform, name of meeting, city, state, and date of meeting)                                                                                    | 18. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 18. OTHER (Check name of meeting, city, state, and date of meeting)                                                                                                                 | 19. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 19. HAVE YOU ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED? <input type="checkbox"/> YES <input type="checkbox"/> NO ASSIGNED FILE #     | 20. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 20. DATE                                                                                                                                                                            | 21. REVIEWER SIGNATURE                                                                                                                                                                |
| 21. DATE                                                                                                                                                                            | 22. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 22. DATE                                                                                                                                                                            | 23. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 23. DATE                                                                                                                                                                            | 24. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 24. DATE                                                                                                                                                                            | 25. REVIEWER SIGNATURE                                                                                                                                                                |
| 25. DATE                                                                                                                                                                            | 26. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 26. DATE                                                                                                                                                                            | 27. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 27. DATE                                                                                                                                                                            | 28. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 28. DATE                                                                                                                                                                            | 29. REVIEWER SIGNATURE                                                                                                                                                                |
| 29. DATE                                                                                                                                                                            | 30. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 30. DATE                                                                                                                                                                            | 31. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 31. DATE                                                                                                                                                                            | 32. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 32. DATE                                                                                                                                                                            | 33. REVIEWER SIGNATURE                                                                                                                                                                |
| 33. DATE                                                                                                                                                                            | 34. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 34. DATE                                                                                                                                                                            | 35. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 35. DATE                                                                                                                                                                            | 36. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 36. DATE                                                                                                                                                                            | 37. REVIEWER SIGNATURE                                                                                                                                                                |
| 37. DATE                                                                                                                                                                            | 38. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 38. DATE                                                                                                                                                                            | 39. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 39. DATE                                                                                                                                                                            | 40. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 40. DATE                                                                                                                                                                            | 41. REVIEWER SIGNATURE                                                                                                                                                                |
| 41. DATE                                                                                                                                                                            | 42. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 42. DATE                                                                                                                                                                            | 43. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 43. DATE                                                                                                                                                                            | 44. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 44. DATE                                                                                                                                                                            | 45. REVIEWER SIGNATURE                                                                                                                                                                |
| 45. DATE                                                                                                                                                                            | 46. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 46. DATE                                                                                                                                                                            | 47. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 47. DATE                                                                                                                                                                            | 48. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 48. DATE                                                                                                                                                                            | 49. REVIEWER SIGNATURE                                                                                                                                                                |
| 49. DATE                                                                                                                                                                            | 50. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 50. DATE                                                                                                                                                                            | 51. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 51. DATE                                                                                                                                                                            | 52. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 52. DATE                                                                                                                                                                            | 53. REVIEWER SIGNATURE                                                                                                                                                                |
| 53. DATE                                                                                                                                                                            | 54. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 54. DATE                                                                                                                                                                            | 55. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 55. DATE                                                                                                                                                                            | 56. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 56. DATE                                                                                                                                                                            | 57. REVIEWER SIGNATURE                                                                                                                                                                |
| 57. DATE                                                                                                                                                                            | 58. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 58. DATE                                                                                                                                                                            | 59. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 59. DATE                                                                                                                                                                            | 60. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 60. DATE                                                                                                                                                                            | 61. REVIEWER SIGNATURE                                                                                                                                                                |
| 61. DATE                                                                                                                                                                            | 62. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 62. DATE                                                                                                                                                                            | 63. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 63. DATE                                                                                                                                                                            | 64. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 64. DATE                                                                                                                                                                            | 65. REVIEWER SIGNATURE                                                                                                                                                                |
| 65. DATE                                                                                                                                                                            | 66. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 66. DATE                                                                                                                                                                            | 67. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 67. DATE                                                                                                                                                                            | 68. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 68. DATE                                                                                                                                                                            | 69. REVIEWER SIGNATURE                                                                                                                                                                |
| 69. DATE                                                                                                                                                                            | 70. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 70. DATE                                                                                                                                                                            | 71. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 71. DATE                                                                                                                                                                            | 72. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 72. DATE                                                                                                                                                                            | 73. REVIEWER SIGNATURE                                                                                                                                                                |
| 73. DATE                                                                                                                                                                            | 74. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 74. DATE                                                                                                                                                                            | 75. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 75. DATE                                                                                                                                                                            | 76. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 76. DATE                                                                                                                                                                            | 77. REVIEWER SIGNATURE                                                                                                                                                                |
| 77. DATE                                                                                                                                                                            | 78. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 78. DATE                                                                                                                                                                            | 79. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 79. DATE                                                                                                                                                                            | 80. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 80. DATE                                                                                                                                                                            | 81. REVIEWER SIGNATURE                                                                                                                                                                |
| 81. DATE                                                                                                                                                                            | 82. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 82. DATE                                                                                                                                                                            | 83. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 83. DATE                                                                                                                                                                            | 84. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 84. DATE                                                                                                                                                                            | 85. REVIEWER SIGNATURE                                                                                                                                                                |
| 85. DATE                                                                                                                                                                            | 86. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 86. DATE                                                                                                                                                                            | 87. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 87. DATE                                                                                                                                                                            | 88. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 88. DATE                                                                                                                                                                            | 89. REVIEWER SIGNATURE                                                                                                                                                                |
| 89. DATE                                                                                                                                                                            | 90. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 90. DATE                                                                                                                                                                            | 91. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 91. DATE                                                                                                                                                                            | 92. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 92. DATE                                                                                                                                                                            | 93. REVIEWER SIGNATURE                                                                                                                                                                |
| 93. DATE                                                                                                                                                                            | 94. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 94. DATE                                                                                                                                                                            | 95. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 95. DATE                                                                                                                                                                            | 96. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                       |
| 96. DATE                                                                                                                                                                            | 97. REVIEWER SIGNATURE                                                                                                                                                                |
| 97. DATE                                                                                                                                                                            | 98. DATE FORWARDED TO B2B/DOAC                                                                                                                                                        |
| 98. DATE                                                                                                                                                                            | 99. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                       |
| 99. DATE                                                                                                                                                                            | 100. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 100. DATE                                                                                                                                                                           | 101. REVIEWER SIGNATURE                                                                                                                                                               |
| 101. DATE                                                                                                                                                                           | 102. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 102. DATE                                                                                                                                                                           | 103. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 103. DATE                                                                                                                                                                           | 104. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 104. DATE                                                                                                                                                                           | 105. REVIEWER SIGNATURE                                                                                                                                                               |
| 105. DATE                                                                                                                                                                           | 106. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 106. DATE                                                                                                                                                                           | 107. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 107. DATE                                                                                                                                                                           | 108. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 108. DATE                                                                                                                                                                           | 109. REVIEWER SIGNATURE                                                                                                                                                               |
| 109. DATE                                                                                                                                                                           | 110. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 110. DATE                                                                                                                                                                           | 111. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 111. DATE                                                                                                                                                                           | 112. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 112. DATE                                                                                                                                                                           | 113. REVIEWER SIGNATURE                                                                                                                                                               |
| 113. DATE                                                                                                                                                                           | 114. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 114. DATE                                                                                                                                                                           | 115. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 115. DATE                                                                                                                                                                           | 116. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 116. DATE                                                                                                                                                                           | 117. REVIEWER SIGNATURE                                                                                                                                                               |
| 117. DATE                                                                                                                                                                           | 118. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 118. DATE                                                                                                                                                                           | 119. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 119. DATE                                                                                                                                                                           | 120. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 120. DATE                                                                                                                                                                           | 121. REVIEWER SIGNATURE                                                                                                                                                               |
| 121. DATE                                                                                                                                                                           | 122. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 122. DATE                                                                                                                                                                           | 123. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 123. DATE                                                                                                                                                                           | 124. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 124. DATE                                                                                                                                                                           | 125. REVIEWER SIGNATURE                                                                                                                                                               |
| 125. DATE                                                                                                                                                                           | 126. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 126. DATE                                                                                                                                                                           | 127. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 127. DATE                                                                                                                                                                           | 128. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 128. DATE                                                                                                                                                                           | 129. REVIEWER SIGNATURE                                                                                                                                                               |
| 129. DATE                                                                                                                                                                           | 130. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 130. DATE                                                                                                                                                                           | 131. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 131. DATE                                                                                                                                                                           | 132. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 132. DATE                                                                                                                                                                           | 133. REVIEWER SIGNATURE                                                                                                                                                               |
| 133. DATE                                                                                                                                                                           | 134. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 134. DATE                                                                                                                                                                           | 135. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 135. DATE                                                                                                                                                                           | 136. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 136. DATE                                                                                                                                                                           | 137. REVIEWER SIGNATURE                                                                                                                                                               |
| 137. DATE                                                                                                                                                                           | 138. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 138. DATE                                                                                                                                                                           | 139. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 139. DATE                                                                                                                                                                           | 140. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 140. DATE                                                                                                                                                                           | 141. REVIEWER SIGNATURE                                                                                                                                                               |
| 141. DATE                                                                                                                                                                           | 142. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 142. DATE                                                                                                                                                                           | 143. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 143. DATE                                                                                                                                                                           | 144. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 144. DATE                                                                                                                                                                           | 145. REVIEWER SIGNATURE                                                                                                                                                               |
| 145. DATE                                                                                                                                                                           | 146. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 146. DATE                                                                                                                                                                           | 147. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 147. DATE                                                                                                                                                                           | 148. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 148. DATE                                                                                                                                                                           | 149. REVIEWER SIGNATURE                                                                                                                                                               |
| 149. DATE                                                                                                                                                                           | 150. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 150. DATE                                                                                                                                                                           | 151. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 151. DATE                                                                                                                                                                           | 152. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 152. DATE                                                                                                                                                                           | 153. REVIEWER SIGNATURE                                                                                                                                                               |
| 153. DATE                                                                                                                                                                           | 154. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 154. DATE                                                                                                                                                                           | 155. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 155. DATE                                                                                                                                                                           | 156. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 156. DATE                                                                                                                                                                           | 157. REVIEWER SIGNATURE                                                                                                                                                               |
| 157. DATE                                                                                                                                                                           | 158. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 158. DATE                                                                                                                                                                           | 159. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 159. DATE                                                                                                                                                                           | 160. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 160. DATE                                                                                                                                                                           | 161. REVIEWER SIGNATURE                                                                                                                                                               |
| 161. DATE                                                                                                                                                                           | 162. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 162. DATE                                                                                                                                                                           | 163. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 163. DATE                                                                                                                                                                           | 164. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 164. DATE                                                                                                                                                                           | 165. REVIEWER SIGNATURE                                                                                                                                                               |
| 165. DATE                                                                                                                                                                           | 166. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 166. DATE                                                                                                                                                                           | 167. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 167. DATE                                                                                                                                                                           | 168. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 168. DATE                                                                                                                                                                           | 169. REVIEWER SIGNATURE                                                                                                                                                               |
| 169. DATE                                                                                                                                                                           | 170. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 170. DATE                                                                                                                                                                           | 171. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 171. DATE                                                                                                                                                                           | 172. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 172. DATE                                                                                                                                                                           | 173. REVIEWER SIGNATURE                                                                                                                                                               |
| 173. DATE                                                                                                                                                                           | 174. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 174. DATE                                                                                                                                                                           | 175. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 175. DATE                                                                                                                                                                           | 176. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 176. DATE                                                                                                                                                                           | 177. REVIEWER SIGNATURE                                                                                                                                                               |
| 177. DATE                                                                                                                                                                           | 178. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 178. DATE                                                                                                                                                                           | 179. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 179. DATE                                                                                                                                                                           | 180. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 180. DATE                                                                                                                                                                           | 181. REVIEWER SIGNATURE                                                                                                                                                               |
| 181. DATE                                                                                                                                                                           | 182. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 182. DATE                                                                                                                                                                           | 183. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 183. DATE                                                                                                                                                                           | 184. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 184. DATE                                                                                                                                                                           | 185. REVIEWER SIGNATURE                                                                                                                                                               |
| 185. DATE                                                                                                                                                                           | 186. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 186. DATE                                                                                                                                                                           | 187. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 187. DATE                                                                                                                                                                           | 188. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 188. DATE                                                                                                                                                                           | 189. REVIEWER SIGNATURE                                                                                                                                                               |
| 189. DATE                                                                                                                                                                           | 190. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 190. DATE                                                                                                                                                                           | 191. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 191. DATE                                                                                                                                                                           | 192. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 192. DATE                                                                                                                                                                           | 193. REVIEWER SIGNATURE                                                                                                                                                               |
| 193. DATE                                                                                                                                                                           | 194. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 194. DATE                                                                                                                                                                           | 195. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 195. DATE                                                                                                                                                                           | 196. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 196. DATE                                                                                                                                                                           | 197. REVIEWER SIGNATURE                                                                                                                                                               |
| 197. DATE                                                                                                                                                                           | 198. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 198. DATE                                                                                                                                                                           | 199. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 199. DATE                                                                                                                                                                           | 200. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 200. DATE                                                                                                                                                                           | 201. REVIEWER SIGNATURE                                                                                                                                                               |
| 201. DATE                                                                                                                                                                           | 202. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 202. DATE                                                                                                                                                                           | 203. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 203. DATE                                                                                                                                                                           | 204. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 204. DATE                                                                                                                                                                           | 205. REVIEWER SIGNATURE                                                                                                                                                               |
| 205. DATE                                                                                                                                                                           | 206. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 206. DATE                                                                                                                                                                           | 207. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 207. DATE                                                                                                                                                                           | 208. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 208. DATE                                                                                                                                                                           | 209. REVIEWER SIGNATURE                                                                                                                                                               |
| 209. DATE                                                                                                                                                                           | 210. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 210. DATE                                                                                                                                                                           | 211. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 211. DATE                                                                                                                                                                           | 212. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 212. DATE                                                                                                                                                                           | 213. REVIEWER SIGNATURE                                                                                                                                                               |
| 213. DATE                                                                                                                                                                           | 214. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 214. DATE                                                                                                                                                                           | 215. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 215. DATE                                                                                                                                                                           | 216. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 216. DATE                                                                                                                                                                           | 217. REVIEWER SIGNATURE                                                                                                                                                               |
| 217. DATE                                                                                                                                                                           | 218. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 218. DATE                                                                                                                                                                           | 219. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 219. DATE                                                                                                                                                                           | 220. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 220. DATE                                                                                                                                                                           | 221. REVIEWER SIGNATURE                                                                                                                                                               |
| 221. DATE                                                                                                                                                                           | 222. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 222. DATE                                                                                                                                                                           | 223. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 223. DATE                                                                                                                                                                           | 224. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 224. DATE                                                                                                                                                                           | 225. REVIEWER SIGNATURE                                                                                                                                                               |
| 225. DATE                                                                                                                                                                           | 226. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 226. DATE                                                                                                                                                                           | 227. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 227. DATE                                                                                                                                                                           | 228. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 228. DATE                                                                                                                                                                           | 229. REVIEWER SIGNATURE                                                                                                                                                               |
| 229. DATE                                                                                                                                                                           | 230. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 230. DATE                                                                                                                                                                           | 231. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 231. DATE                                                                                                                                                                           | 232. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 232. DATE                                                                                                                                                                           | 233. REVIEWER SIGNATURE                                                                                                                                                               |
| 233. DATE                                                                                                                                                                           | 234. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 234. DATE                                                                                                                                                                           | 235. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 235. DATE                                                                                                                                                                           | 236. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 236. DATE                                                                                                                                                                           | 237. REVIEWER SIGNATURE                                                                                                                                                               |
| 237. DATE                                                                                                                                                                           | 238. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 238. DATE                                                                                                                                                                           | 239. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 239. DATE                                                                                                                                                                           | 240. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 240. DATE                                                                                                                                                                           | 241. REVIEWER SIGNATURE                                                                                                                                                               |
| 241. DATE                                                                                                                                                                           | 242. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 242. DATE                                                                                                                                                                           | 243. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 243. DATE                                                                                                                                                                           | 244. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 244. DATE                                                                                                                                                                           | 245. REVIEWER SIGNATURE                                                                                                                                                               |
| 245. DATE                                                                                                                                                                           | 246. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 246. DATE                                                                                                                                                                           | 247. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 247. DATE                                                                                                                                                                           | 248. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 248. DATE                                                                                                                                                                           | 249. REVIEWER SIGNATURE                                                                                                                                                               |
| 249. DATE                                                                                                                                                                           | 250. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 250. DATE                                                                                                                                                                           | 251. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 251. DATE                                                                                                                                                                           | 252. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 252. DATE                                                                                                                                                                           | 253. REVIEWER SIGNATURE                                                                                                                                                               |
| 253. DATE                                                                                                                                                                           | 254. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 254. DATE                                                                                                                                                                           | 255. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 255. DATE                                                                                                                                                                           | 256. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 256. DATE                                                                                                                                                                           | 257. REVIEWER SIGNATURE                                                                                                                                                               |
| 257. DATE                                                                                                                                                                           | 258. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 258. DATE                                                                                                                                                                           | 259. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 259. DATE                                                                                                                                                                           | 260. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 260. DATE                                                                                                                                                                           | 261. REVIEWER SIGNATURE                                                                                                                                                               |
| 261. DATE                                                                                                                                                                           | 262. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 262. DATE                                                                                                                                                                           | 263. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 263. DATE                                                                                                                                                                           | 264. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 264. DATE                                                                                                                                                                           | 265. REVIEWER SIGNATURE                                                                                                                                                               |
| 265. DATE                                                                                                                                                                           | 266. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 266. DATE                                                                                                                                                                           | 267. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 267. DATE                                                                                                                                                                           | 268. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 268. DATE                                                                                                                                                                           | 269. REVIEWER SIGNATURE                                                                                                                                                               |
| 269. DATE                                                                                                                                                                           | 270. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 270. DATE                                                                                                                                                                           | 271. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 271. DATE                                                                                                                                                                           | 272. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 272. DATE                                                                                                                                                                           | 273. REVIEWER SIGNATURE                                                                                                                                                               |
| 273. DATE                                                                                                                                                                           | 274. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 274. DATE                                                                                                                                                                           | 275. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 275. DATE                                                                                                                                                                           | 276. PRINTED NAME, NAME/GRACE, TITLE OF REVIEWER                                                                                                                                      |
| 276. DATE                                                                                                                                                                           | 277. REVIEWER SIGNATURE                                                                                                                                                               |
| 277. DATE                                                                                                                                                                           | 278. DATE FORWARDED TO B2B/DOAC                                                                                                                                                       |
| 278. DATE                                                                                                                                                                           | 279. COMMENTS: <input type="checkbox"/> APPROVED (in compliance with security and policy review directives) <input type="checkbox"/> DISAPPROVED                                      |
| 279. DATE                                                                                                                                                                           | 280.                                                                                                                                                                                  |





# CRD Website

Warrior Medics – Mission Ready – Patient Focused

|                                              |
|----------------------------------------------|
| Home                                         |
| Animal Research                              |
| CRD Capabilities                             |
| Deadlines                                    |
| Funding                                      |
| Points of Contact                            |
| Research Compliance                          |
| Research Publications & Presentations Review |
| Human Research                               |
| Site Metrics                                 |

59th Medical Wing  
Clinical Research Division



Take Our Satisfaction Survey!

**ANNOUNCEMENT:** Please send all protocol submissions to the Office of Research Protocol Support at: [usaf.jbsa.59-mdw.mbx.wing-crd-protocol@mail.mil](mailto:usaf.jbsa.59-mdw.mbx.wing-crd-protocol@mail.mil)



**CRD Activities Report - FY2015 to FY2016**

<https://kx2.afms.mil/kj/kx8/ClinicalResearchJBSALackland/Pages/home.aspx>





# 59 CRD Points of Contact

**Warrior Medics – Mission Ready – Patient Focused**

## **IRB/IACUC Protocol Office**

292-2977/6095/4012

Ms. Rachel Montez – 292-4683  
[rachel.a.montez.civ@mail.mil](mailto:rachel.a.montez.civ@mail.mil)

## **Publications and Presentations**

292-7141; [mara.e.williams@mail.mil](mailto:mara.e.williams@mail.mil)

## **Human Studies**

Dr. Rocky Calcote – 292-5203  
[rocky.d.calcote.civ@mail.mil](mailto:rocky.d.calcote.civ@mail.mil)

## **Animal Studies**

Dr. Dawn Harris – 292-2771  
[linda.d.harris22.civ@mail.mil](mailto:linda.d.harris22.civ@mail.mil)

## **Statistics/Study Design/Funding**

Dr. Anneke Bush – 292-7295  
[anneke.c.bush.civ@mail.mil](mailto:anneke.c.bush.civ@mail.mil)

## **Laboratory Services Branch**

Dr. Thomas Gibbons – 292-7363  
[thomas.f.gibbons6.civ@mail.mil](mailto:thomas.f.gibbons6.civ@mail.mil)

## **Pathology Section Support**

LTC Christine Christensen – 292-6589  
[christine.l.christensen2.mil@mail.mil](mailto:christine.l.christensen2.mil@mail.mil)

## **Animal Scheduling**

Mr. Todd Brown – 292-7709  
[todd.a.brown29.civ@mail.mil](mailto:todd.a.brown29.civ@mail.mil)

## **Research Education/Post-Approval Monitoring**

Dr. Earl Grant – 292-5146  
[earl.grant.civ@mail.mil](mailto:earl.grant.civ@mail.mil)

Ms. Jennifer Palmer – 292-5819  
[jennifer.a.palmer18.civ@mail.mil](mailto:jennifer.a.palmer18.civ@mail.mil)

## **Tours/Contracts/Concerns/Facilities Access**

Chief – Col Steel-Goodwin – 292-7068  
[linda.steelgoodwin.mil@mail.mil](mailto:linda.steelgoodwin.mil@mail.mil)

Deputy Chief – Paul Barnicott – 292-5687  
[paul.t.barnicott.civ@mail.mil](mailto:paul.t.barnicott.civ@mail.mil)





# Questions/Comments



*Warrior Medics – Mission Ready – Patient Focused*

# Thank You!

