



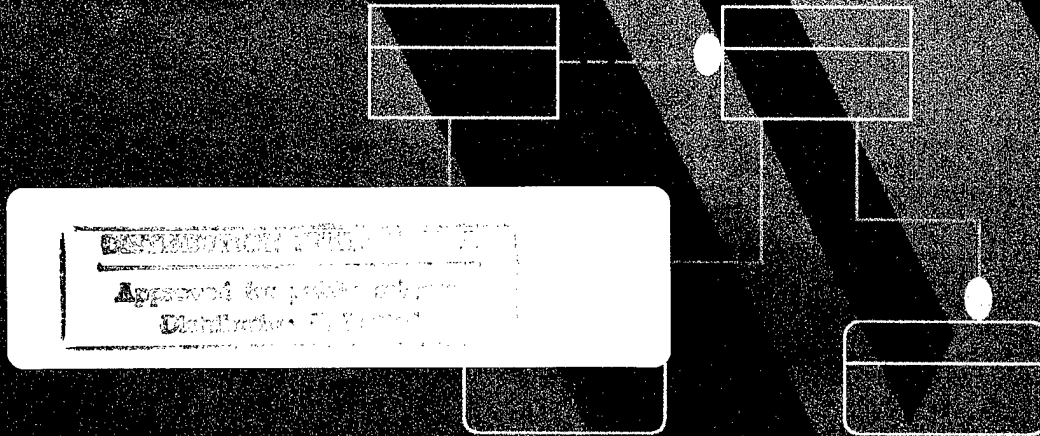
Department of Defense Data Model

VERSION 1

FY 1999

Volume 5

30 November 1998



19990203 007

Defense Information Systems Agency

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attention MS. Pat Mawby 767-8019

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Final for dates through 30 Nov 1998
4. Title and Subtitle:

DOD Data Model Version 1-99 Volume 1

Executive Summary

Introduction

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By Entity.

SECTION 2: Entity To View To Subject Area Cross Reference Sorted
By View.

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 This report supercedes the 1-98 Version of the DOD Data Model (DDM)
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13. Abstract:

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The DOD Data Model is an integrated view of data requirements for the Functional Areas and Components in the Department of Defense (DOD). It represents, in accordance with the DOD Data Administration 8320 series standards, a view of each data requirement.

Standard data items are represented as entities (prime words), attributes (data elements), and relationships. These objects are represented in graphical format on entity relationship diagrams (Volumes 2-5). The details of these objects are found in the entity report (Volume 6), the attribute report (Volume 7). Enhancements since the 1-98 DDM are located in Volume 8.

Version 1-99 of the DOD Data Model represents the first update in fiscal year 1999 with a cut-off date of 30 Nov 1998 for all DOD Data Dictionary System (DDDS) information.

The DOD Data Model is an integrated view of logical data models from the functional areas.

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Section 3.17

Person

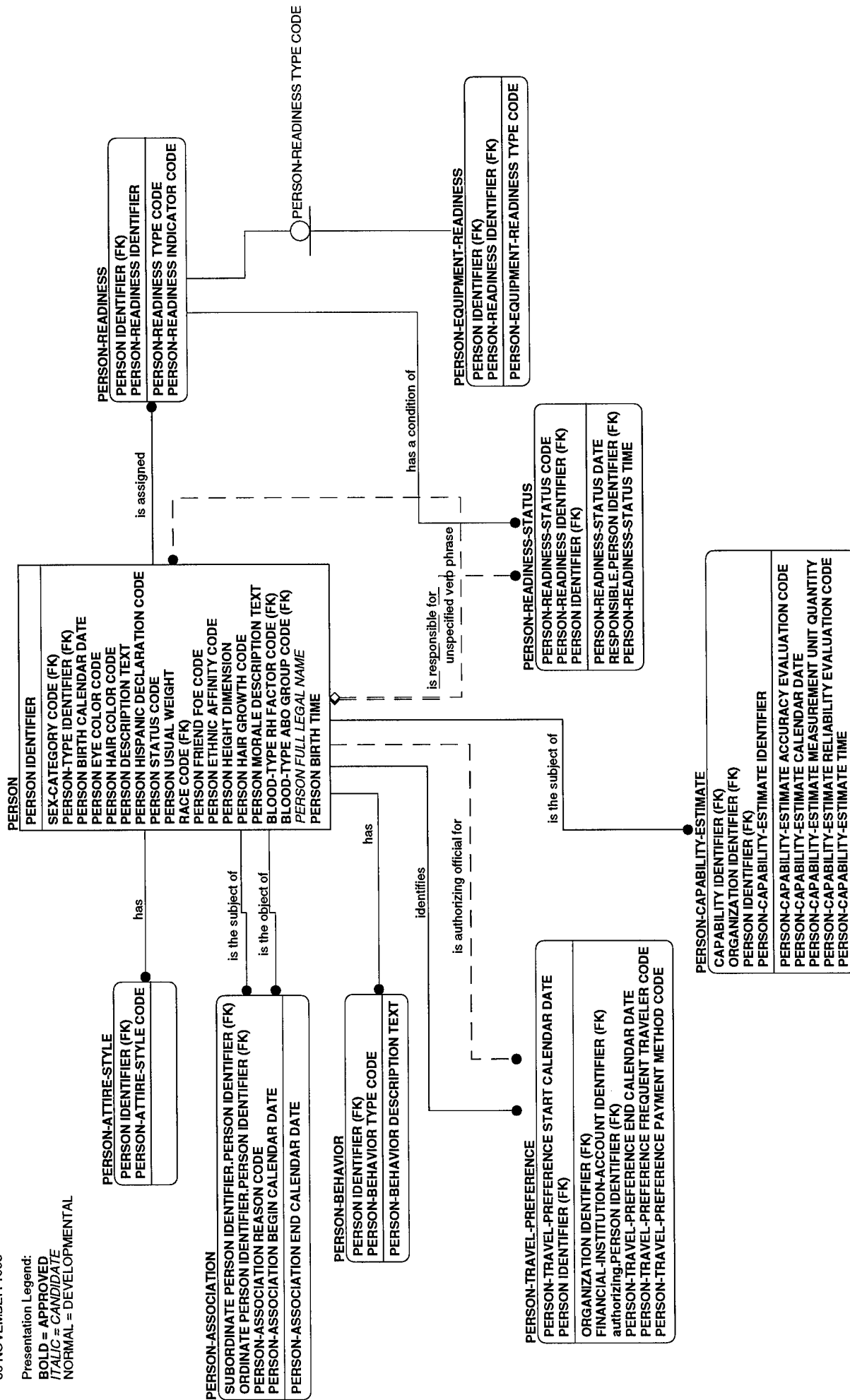
Section 3.17 Person Subject Area

Purpose: The PERSON Subject Area View includes all data about PERSONs of interest to the DoD, knowledge about who is essential to the achievement of the DoD mission. It includes data on military and civilian PERSONs, including actual or potential friends and foes to the U.S.

Note: The following subsections contain the View data maps which comprise this Subject Area. Every data requirement within this Subject Area will be represented in at least one of the Views. The View data maps are in numeric order.

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ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL

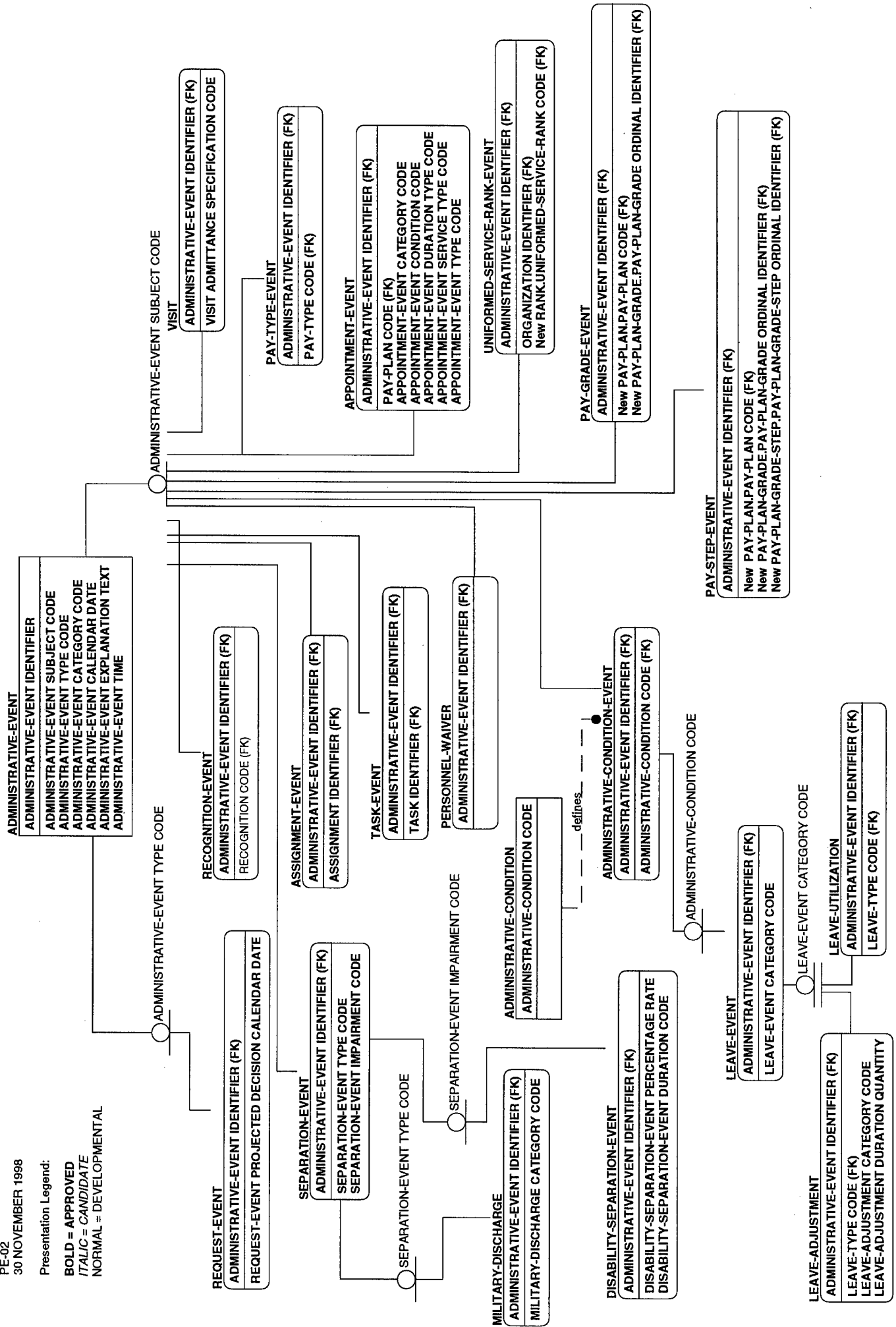


PE-02

DOD DATA MODEL
 PE-02
 30 NOVEMBER 1998

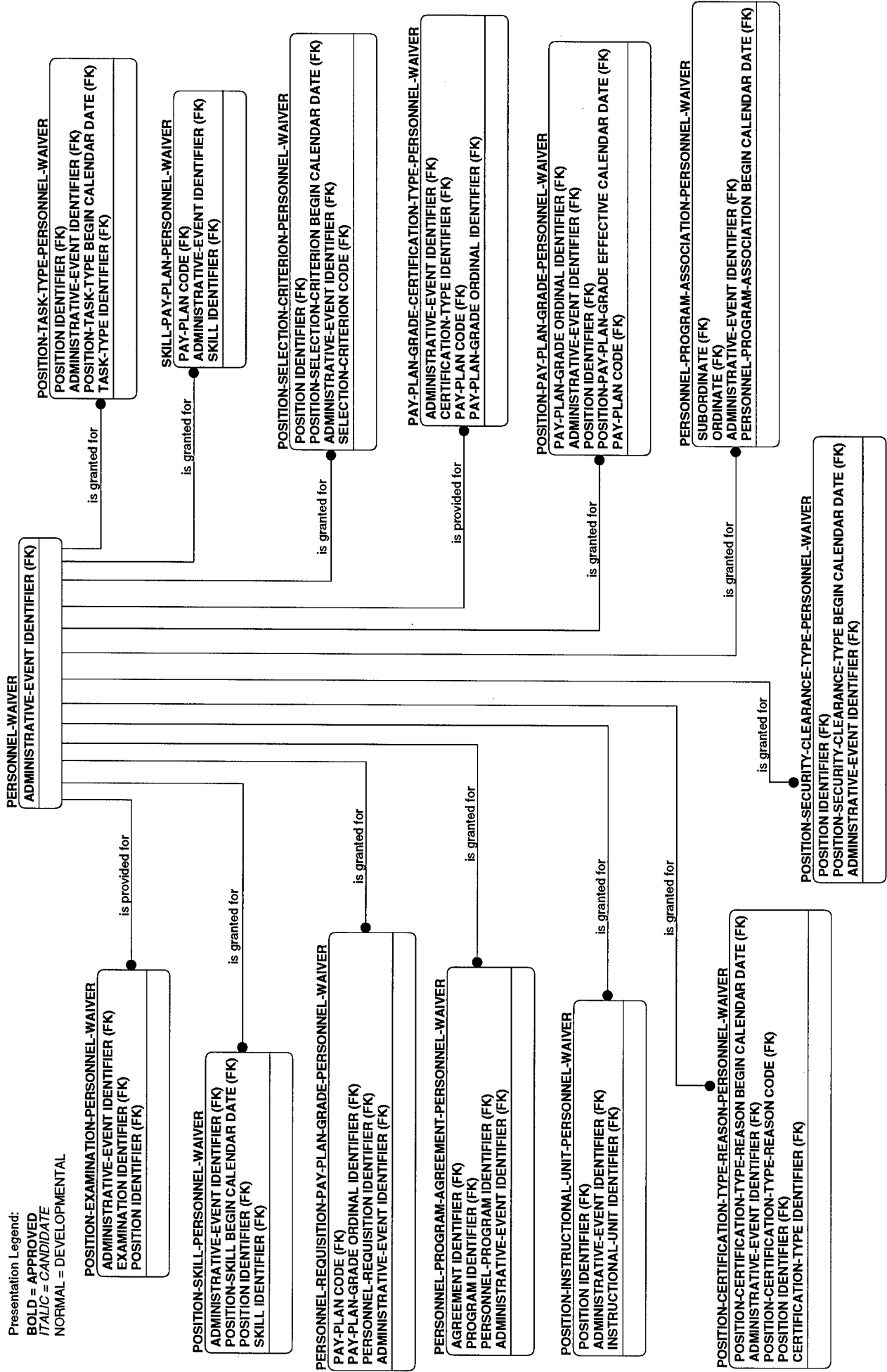
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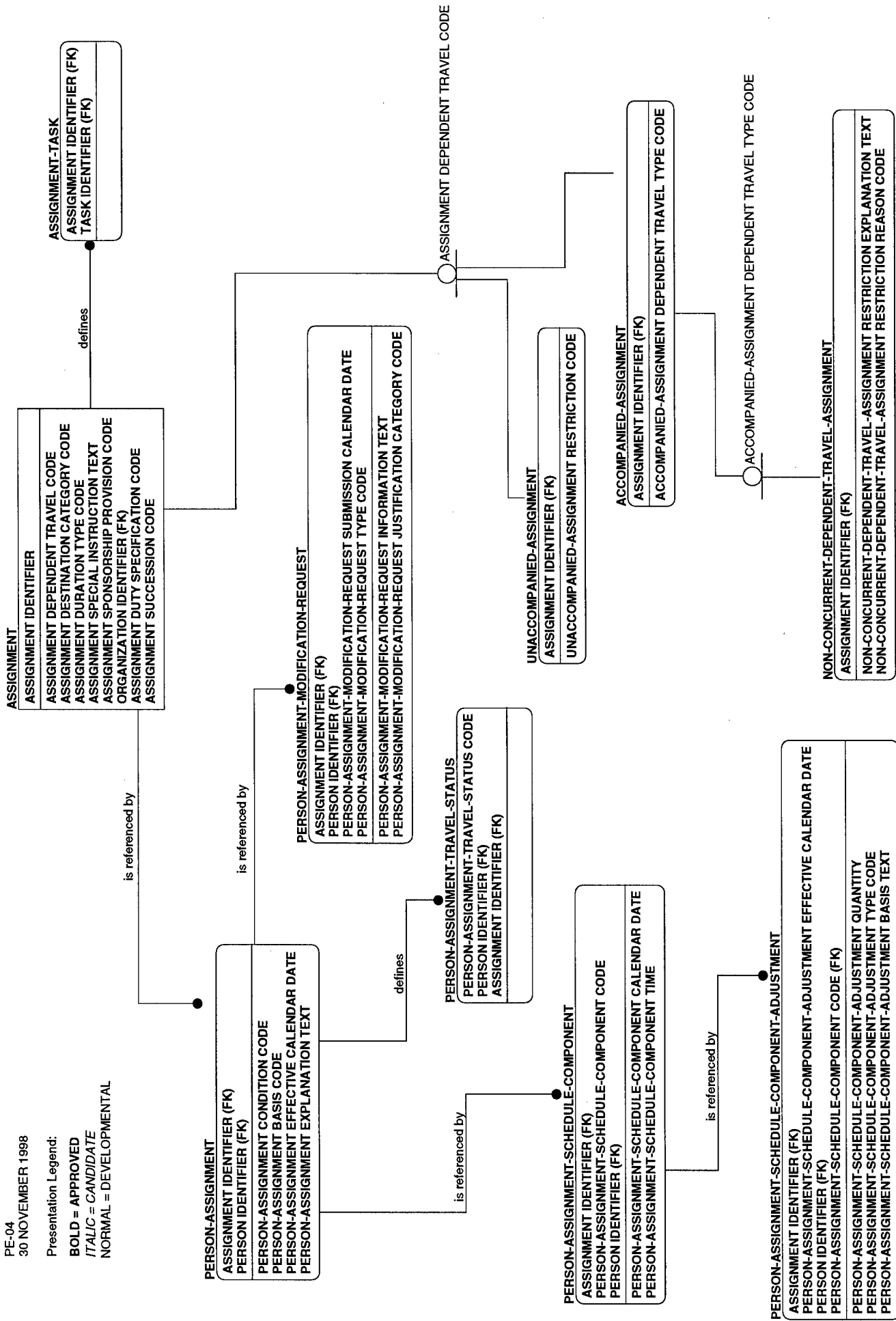
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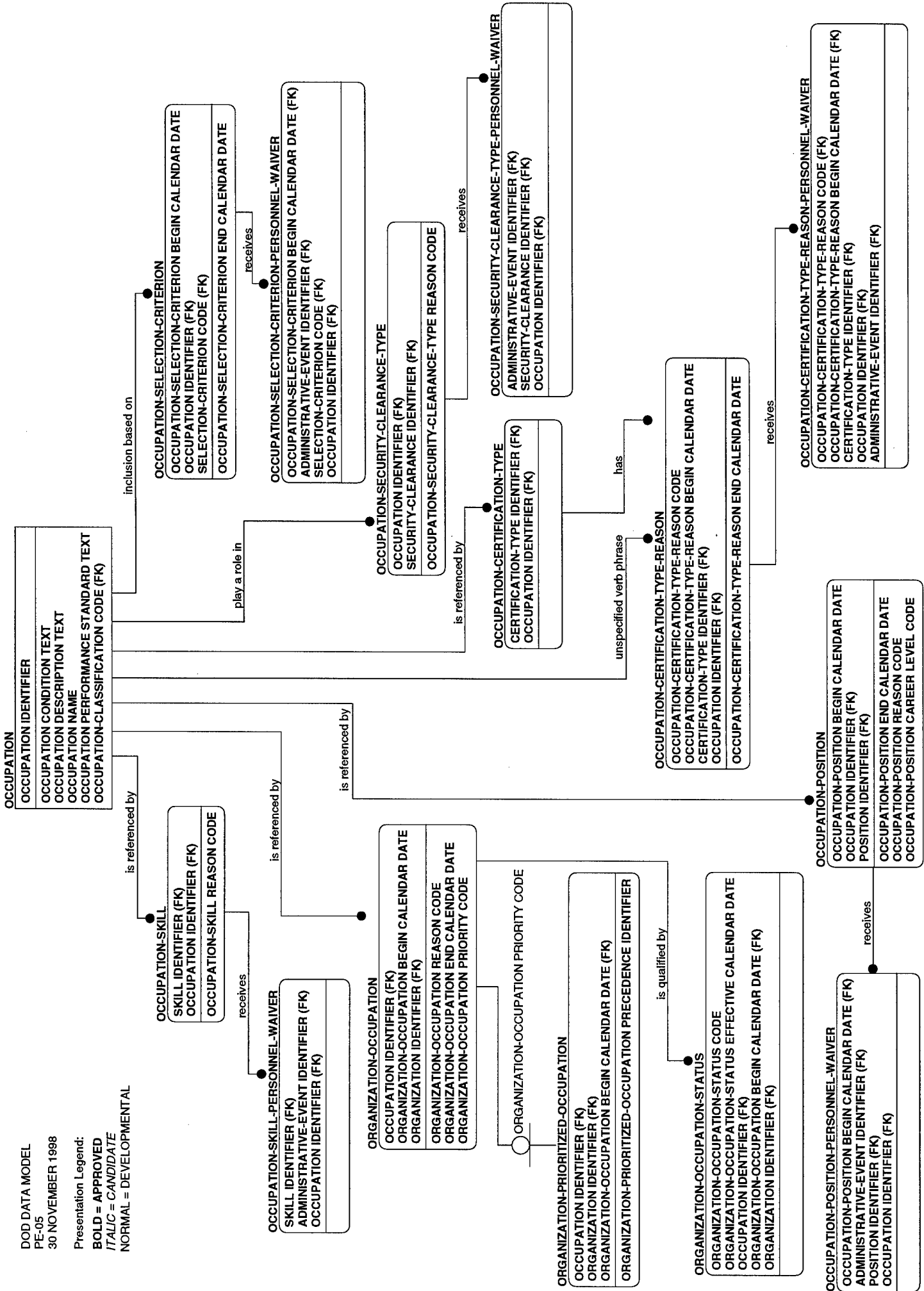
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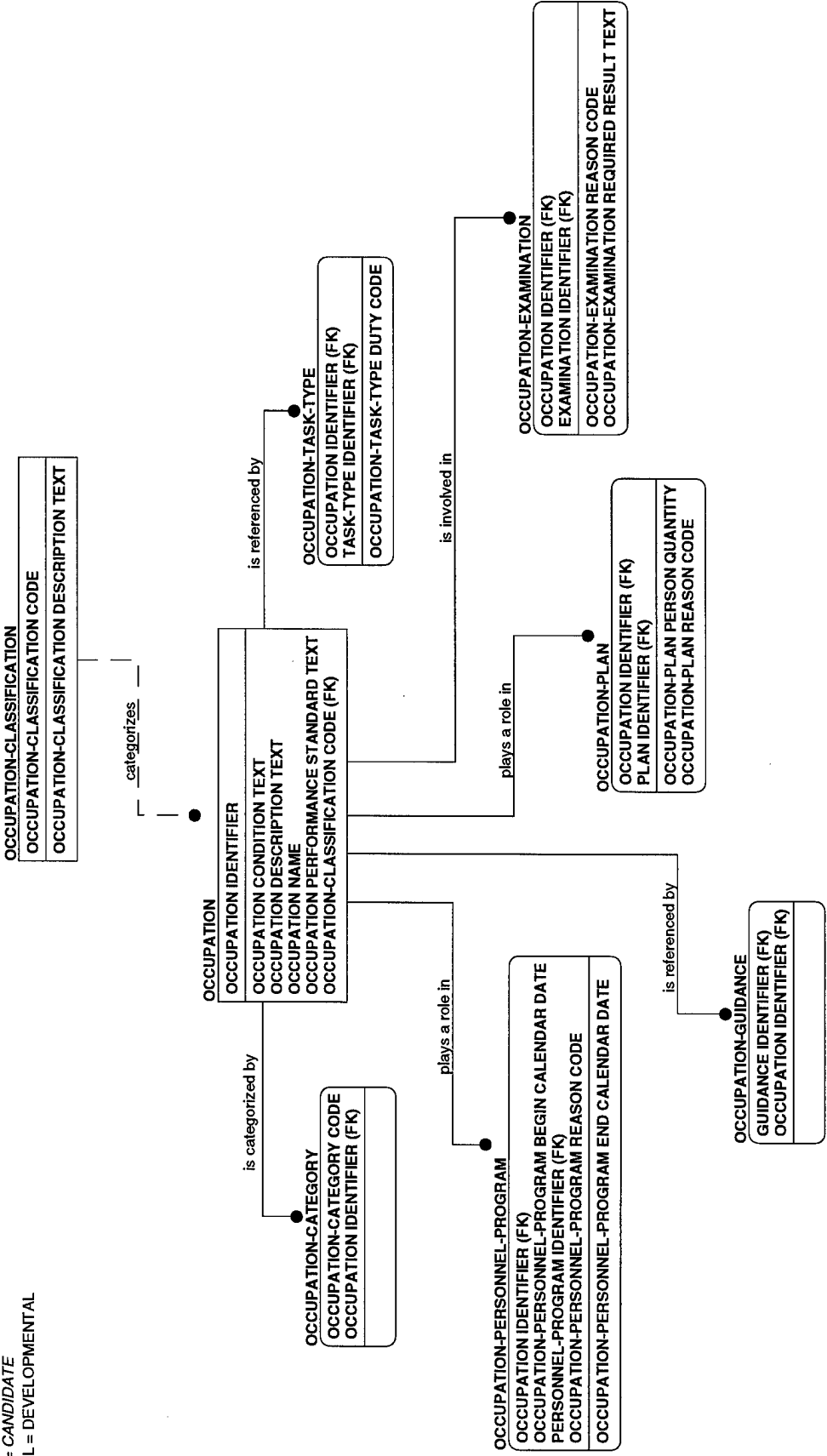
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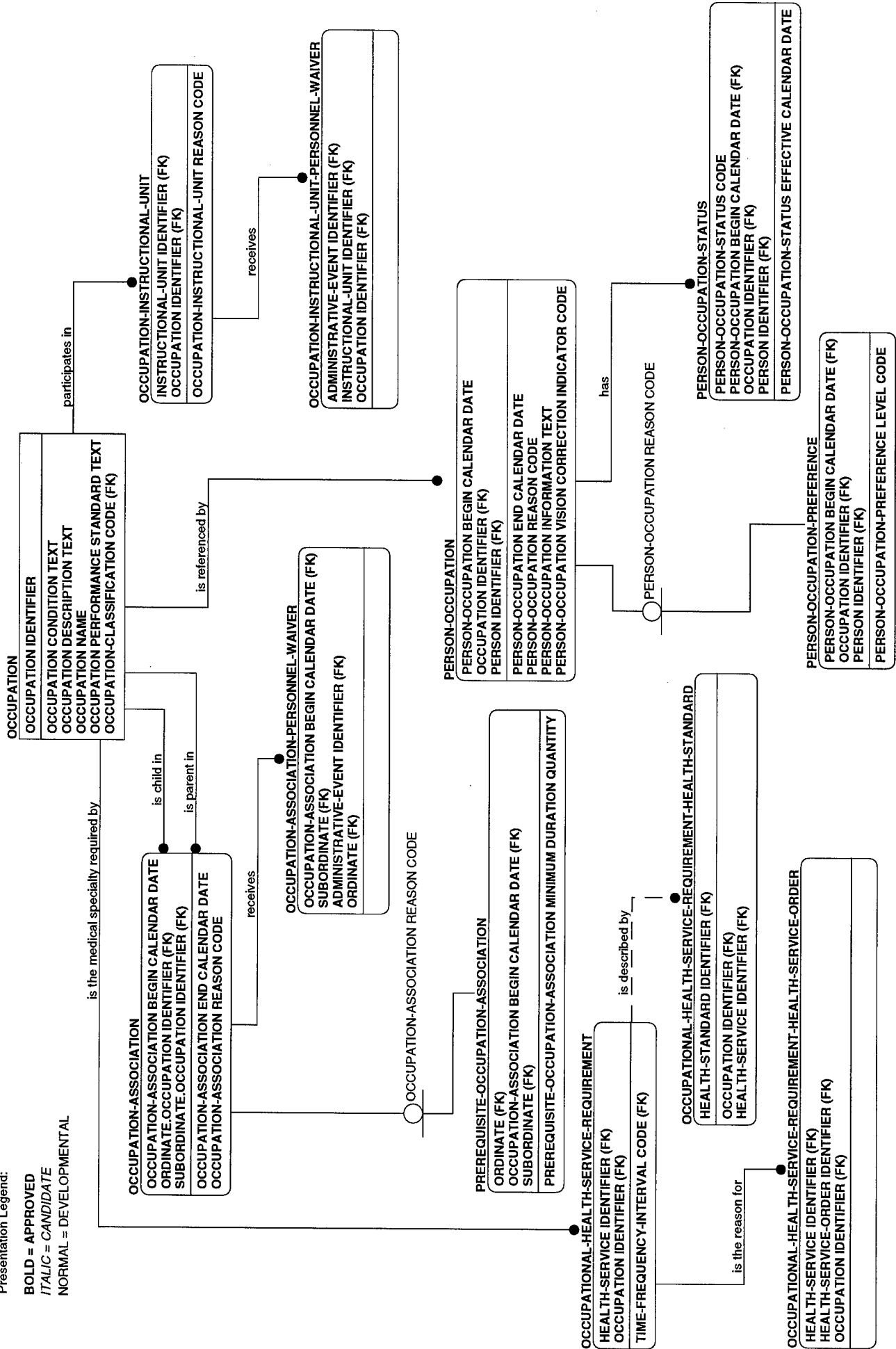
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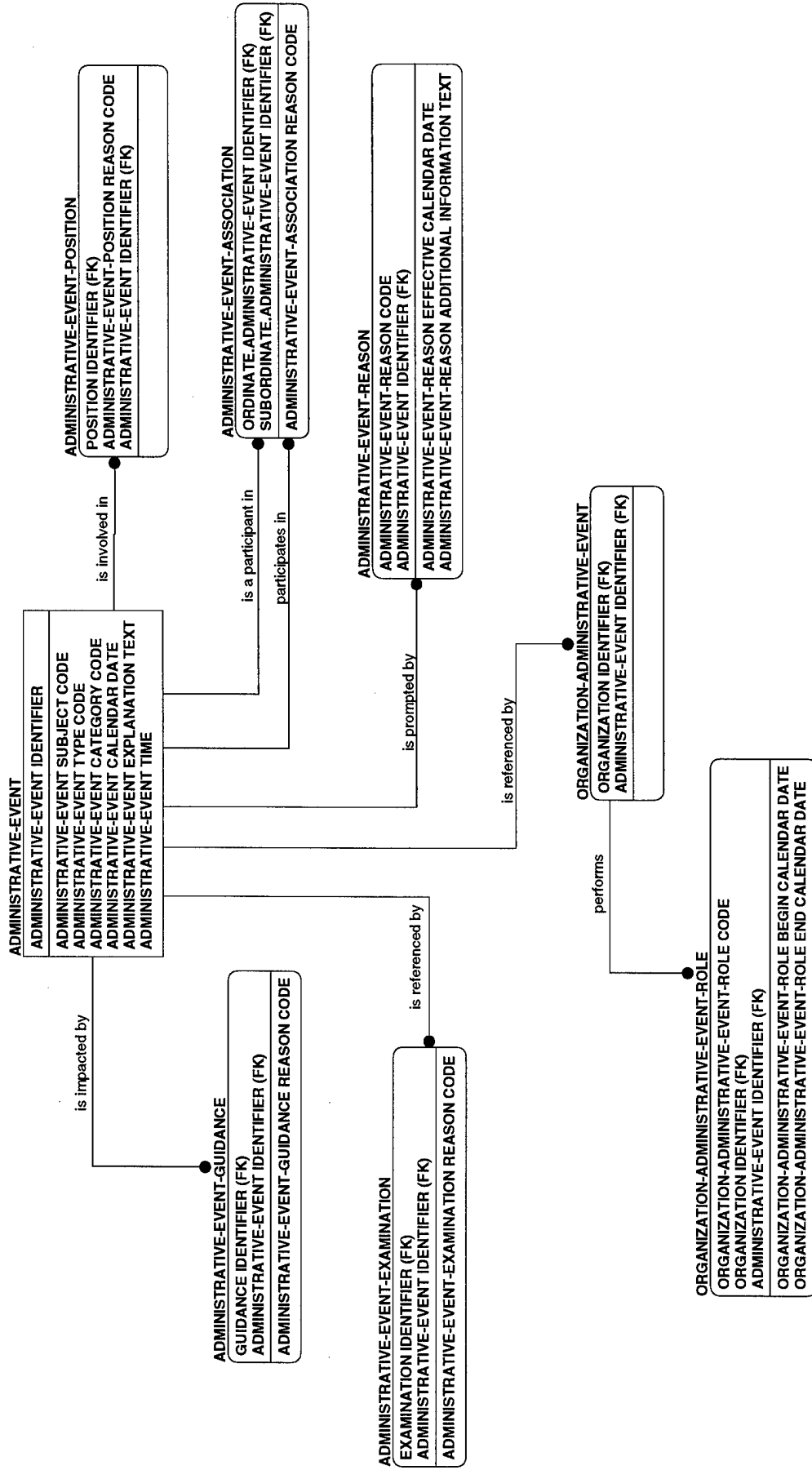
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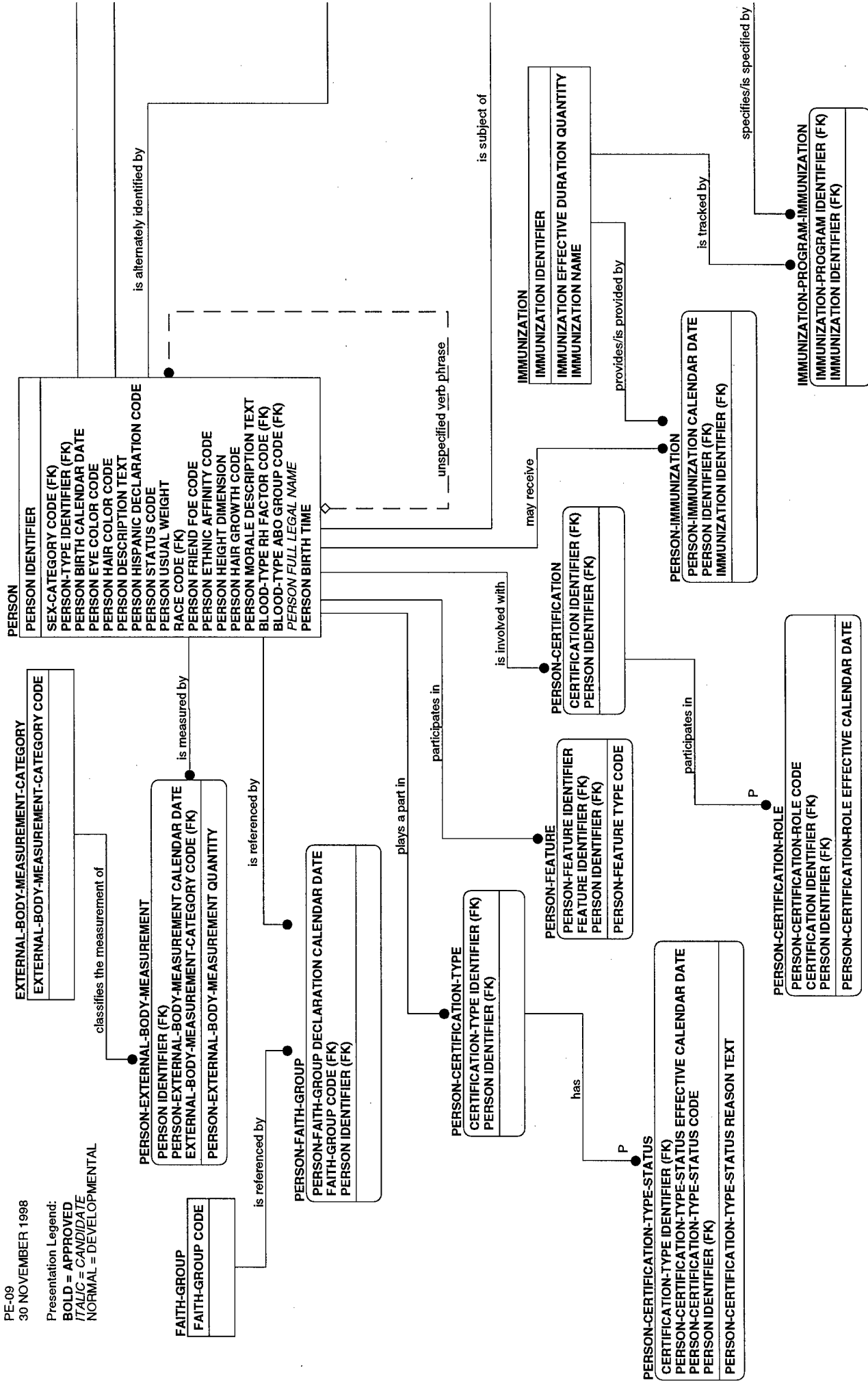
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PE-09

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is referenced by

PERSON-DOCUMENT
PERSON-DOCUMENT BEGIN CALENDAR DATE
DOCUMENT IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
PERSON-DOCUMENT END CALENDAR DATE
PERSON-DOCUMENT ROLE CODE

is responsible for

PERSON-DESIGNATOR
PERSON-DESIGNATOR TYPE CODE
PERSON-DESIGNATOR BEGIN CALENDAR DATE
PERSON IDENTIFIER (FK)
ORGANIZATION IDENTIFIER (FK)
PERSON-DESIGNATOR END CALENDAR DATE
PERSON-DESIGNATOR IDENTIFIER

PERSON-DIAGNOSTIC-TEST-RESULT-STATUS

SAMPLE IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
HEALTH-SERVICE IDENTIFIER (FK)
PERSON-DIAGNOSTIC-TEST-RESULT-STATUS DATE
PERSON-HEALTH-SERVICE SEQUENCE IDENTIFIER (FK)
PERSON-DIAGNOSTIC-TEST-RESULT-STATUS TIME
PERSON-DIAGNOSTIC-TEST-RESULT SEQUENCE IDENTIFIER (FK)
PERSON-DIAGNOSTIC-TEST-RESULT-STATUS TYPE CODE

PERSON-EVALUATION

PERSON-EVALUATION BEGIN CALENDAR DATE
EVALUATION IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
PERSON-EVALUATION END CALENDAR DATE
PERSON-EVALUATION PERSON ROLE CODE

PERSON-EVALUATION PERSON ROLE CODE

IMMUNIZATION-PROGRAM

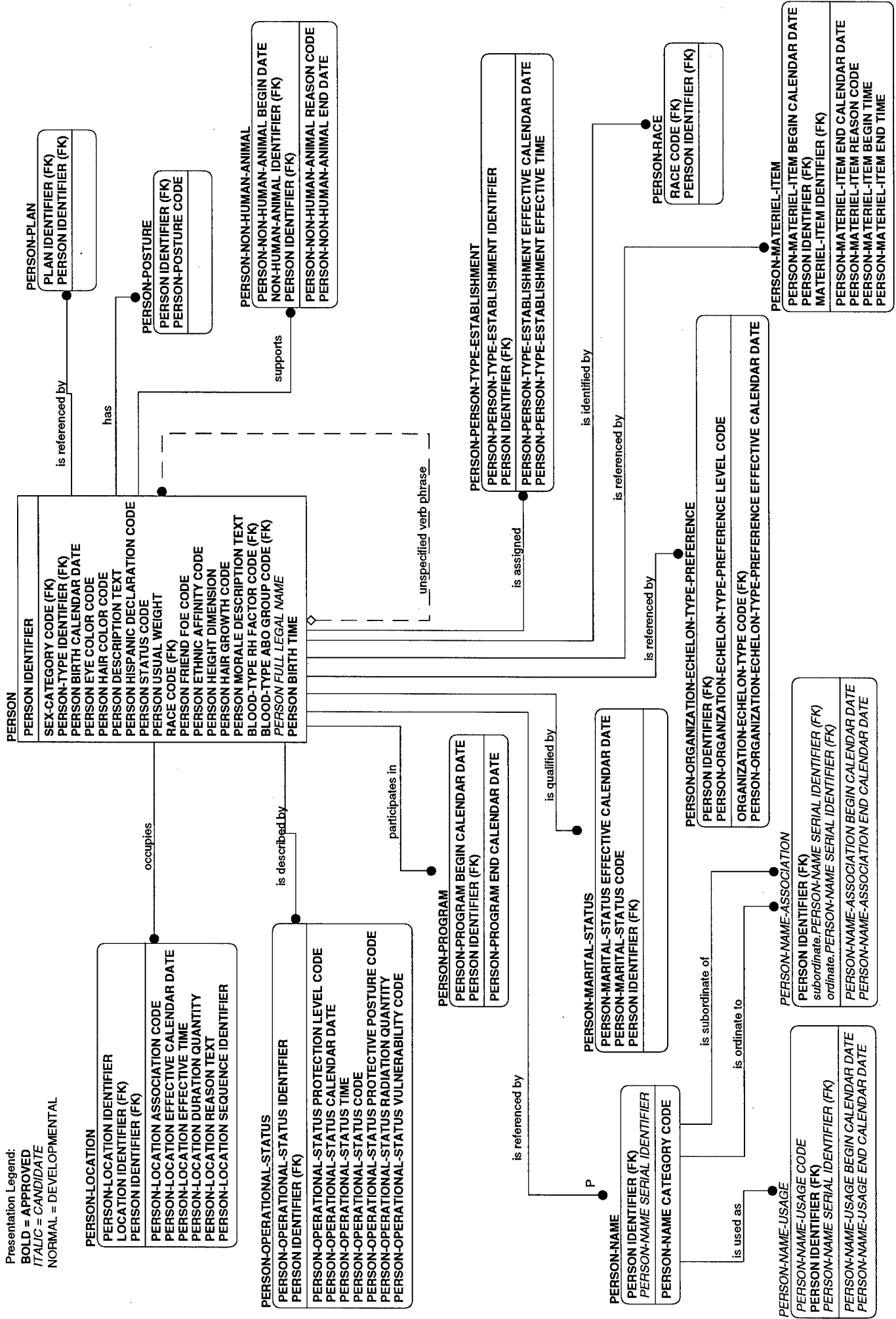
IMMUNIZATION-PROGRAM IDENTIFIER
IMMUNIZATION-PROGRAM NAME

EVALUATOR

EVALUATION IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
PERSON-EVALUATION BEGIN CALENDAR DATE (FK)
EVALUATOR ROLE TYPE NAME

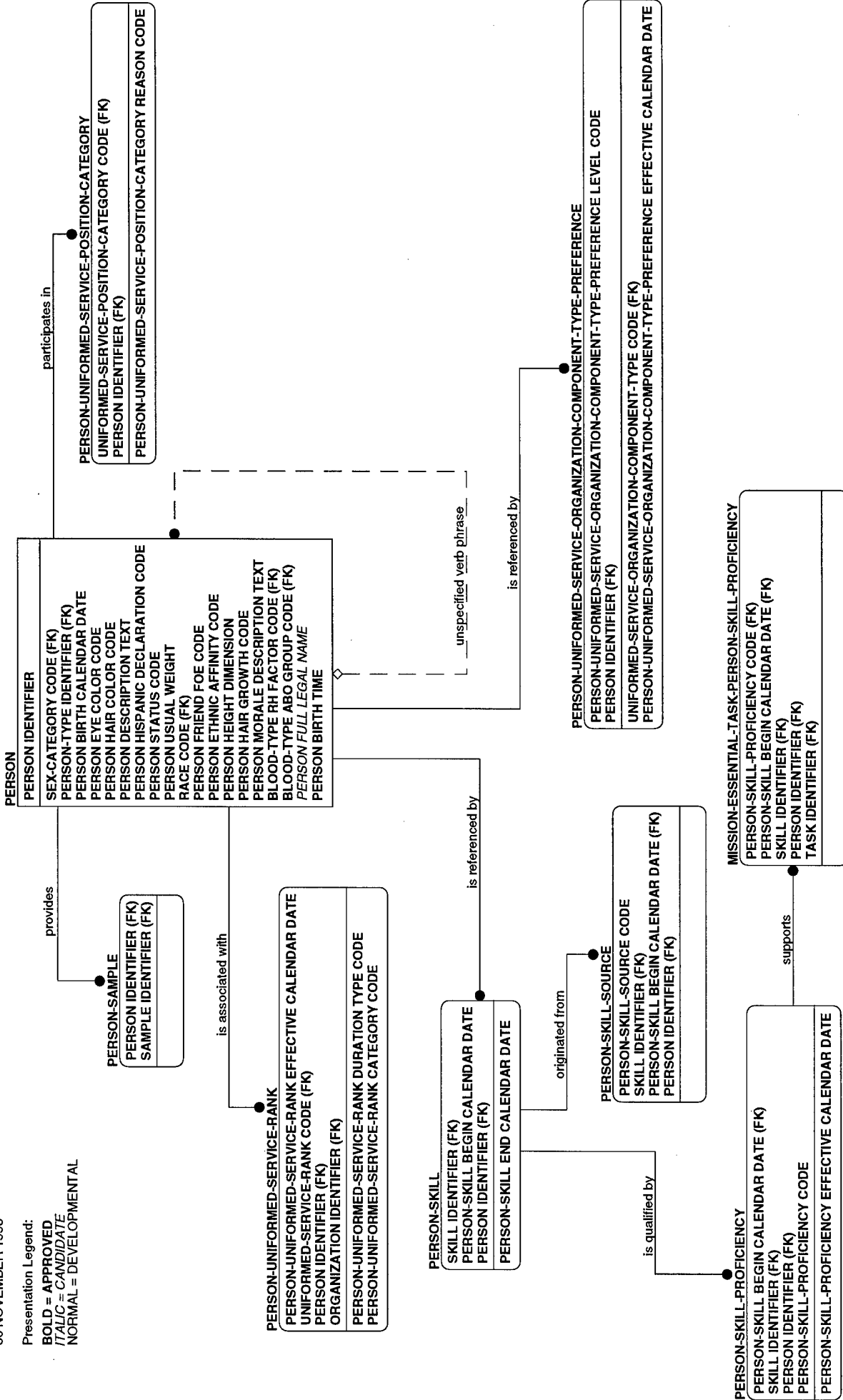
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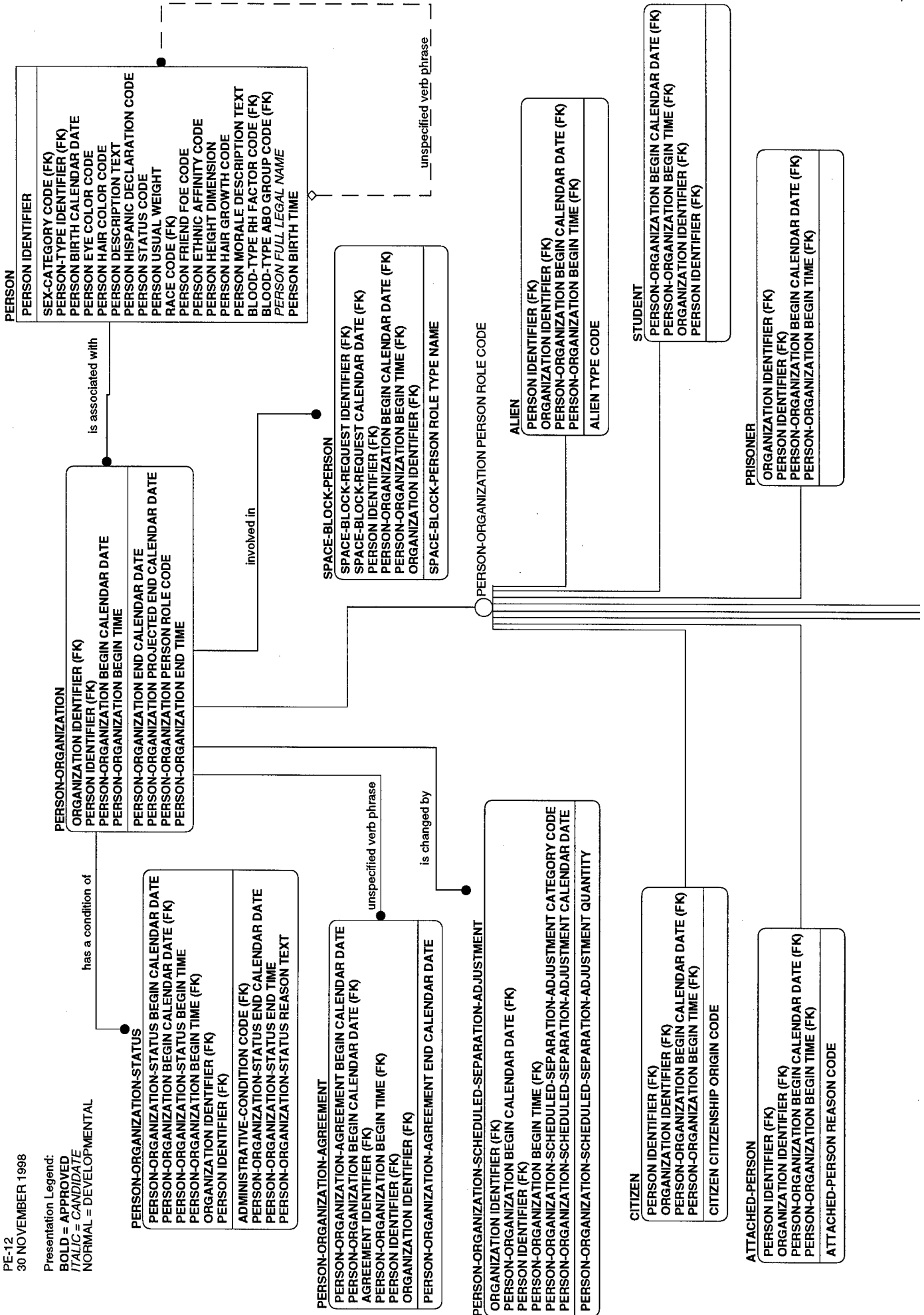
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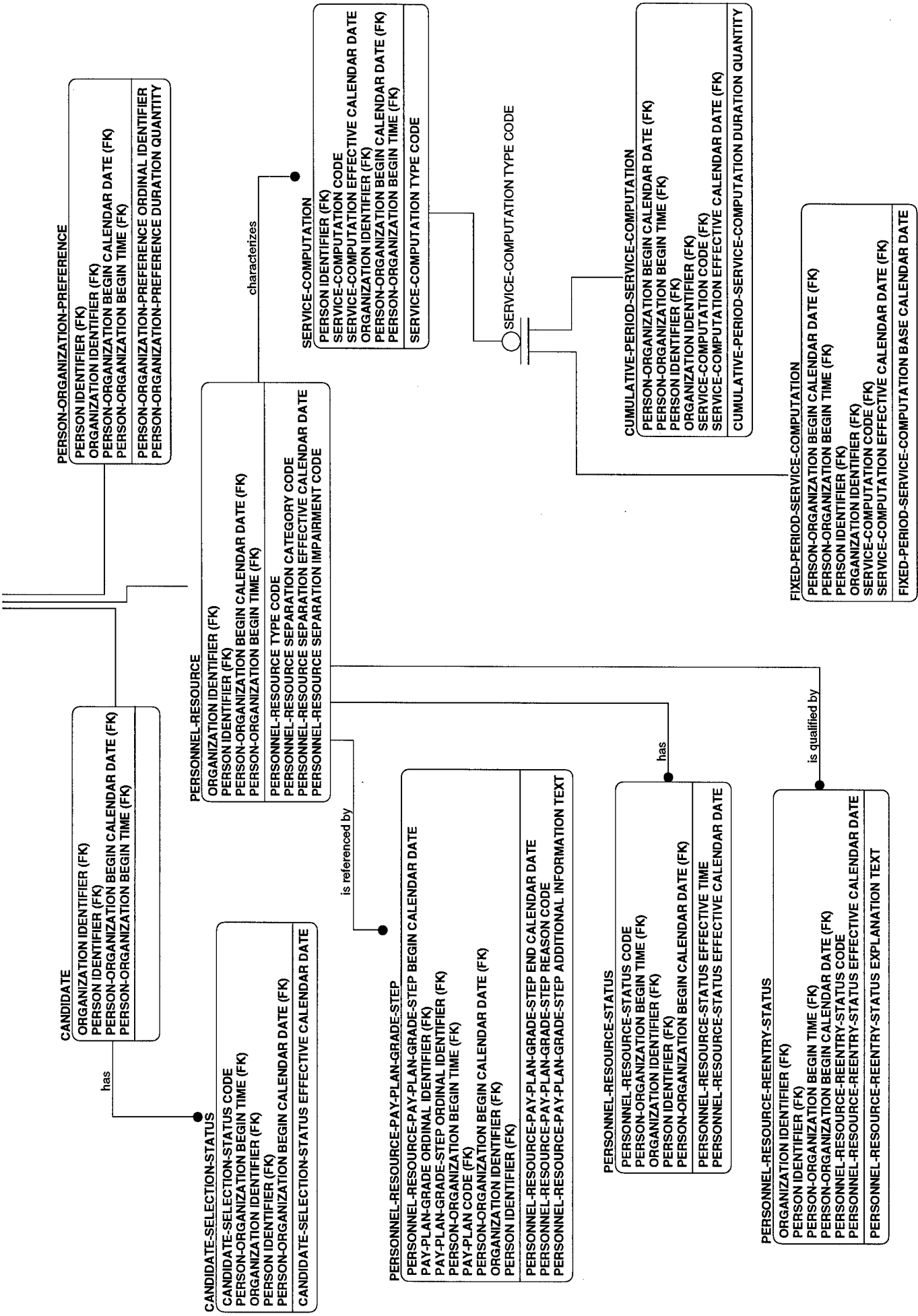
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PE-12

Presentation Legend:
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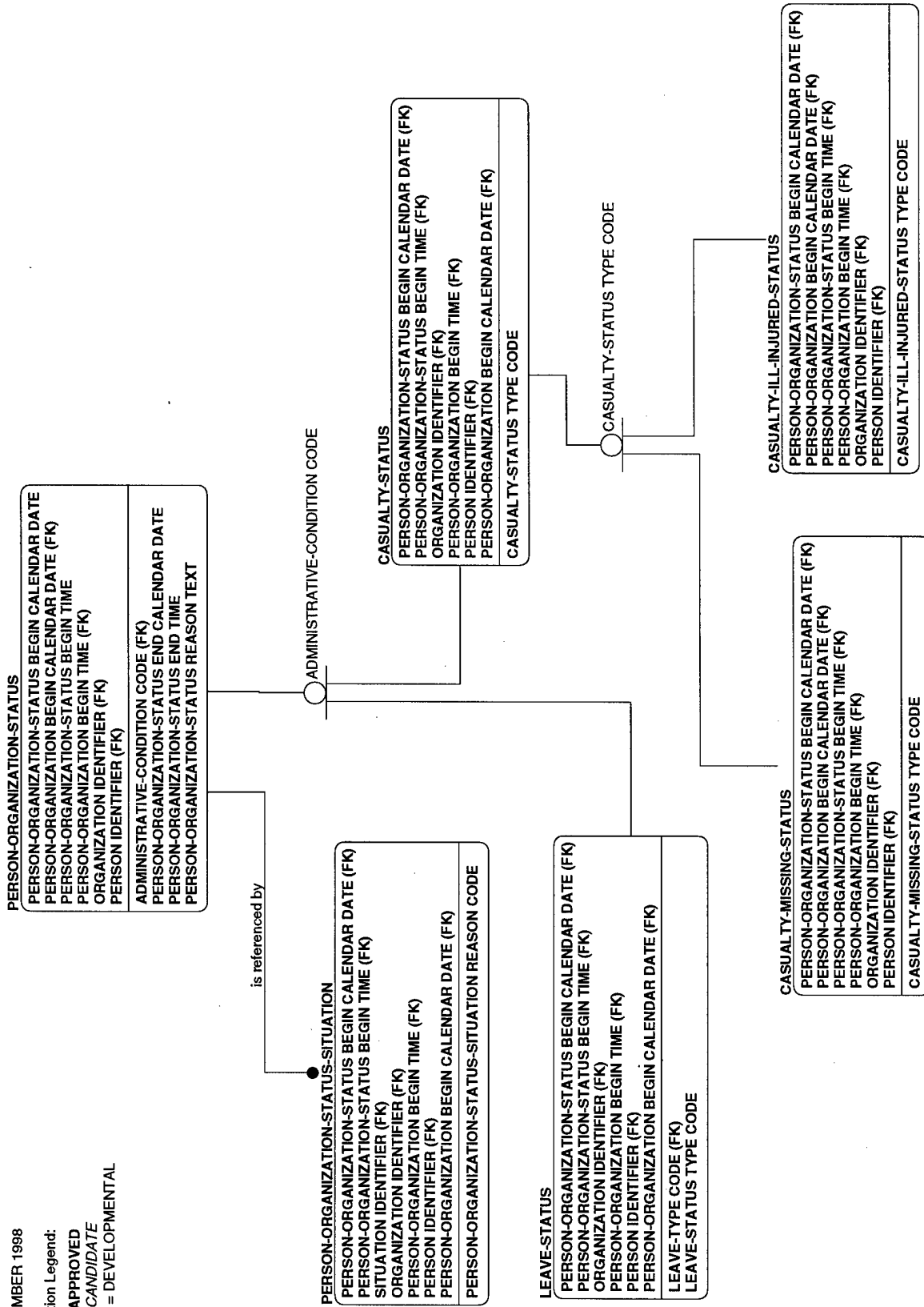




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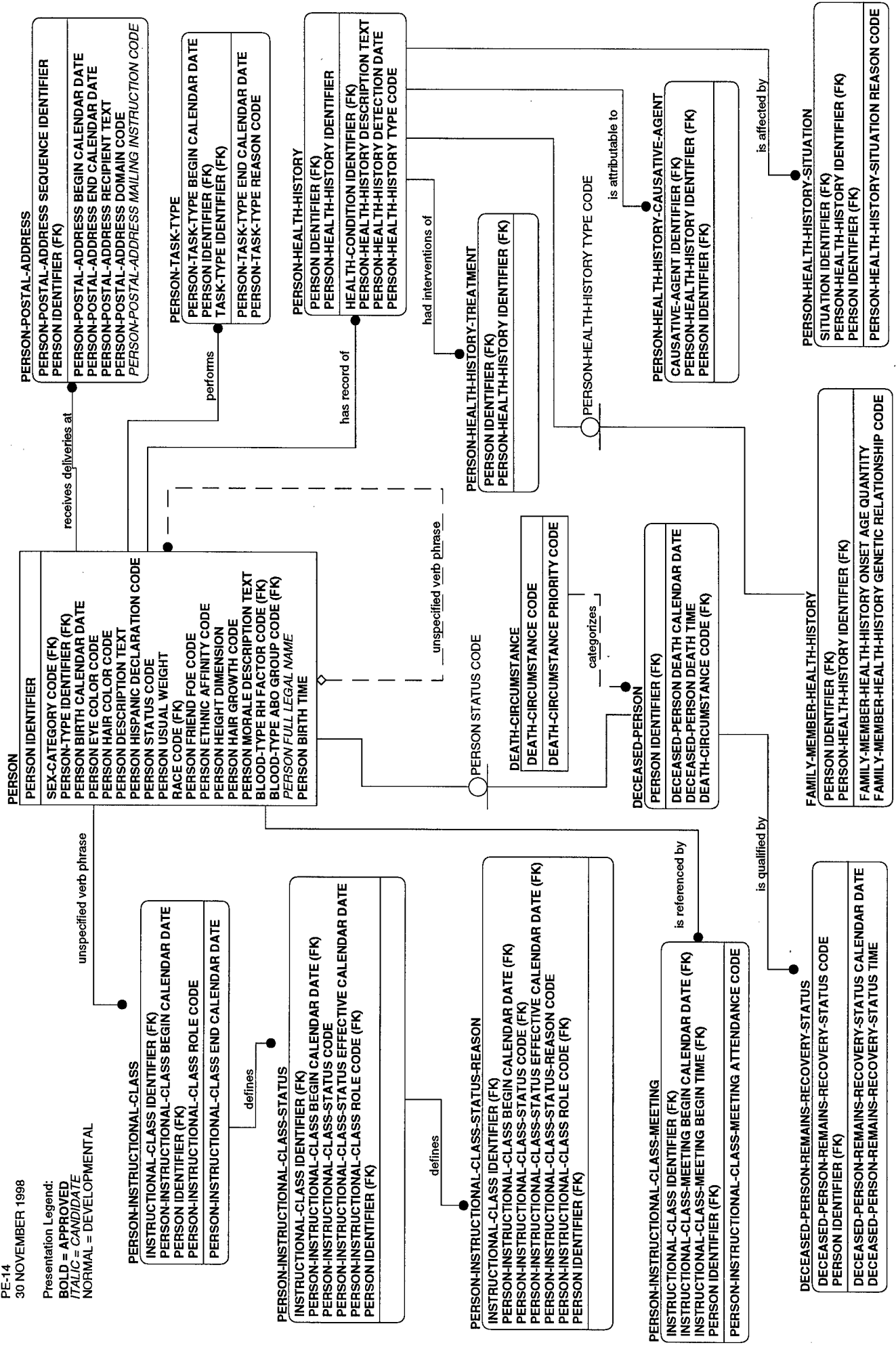
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PE-14

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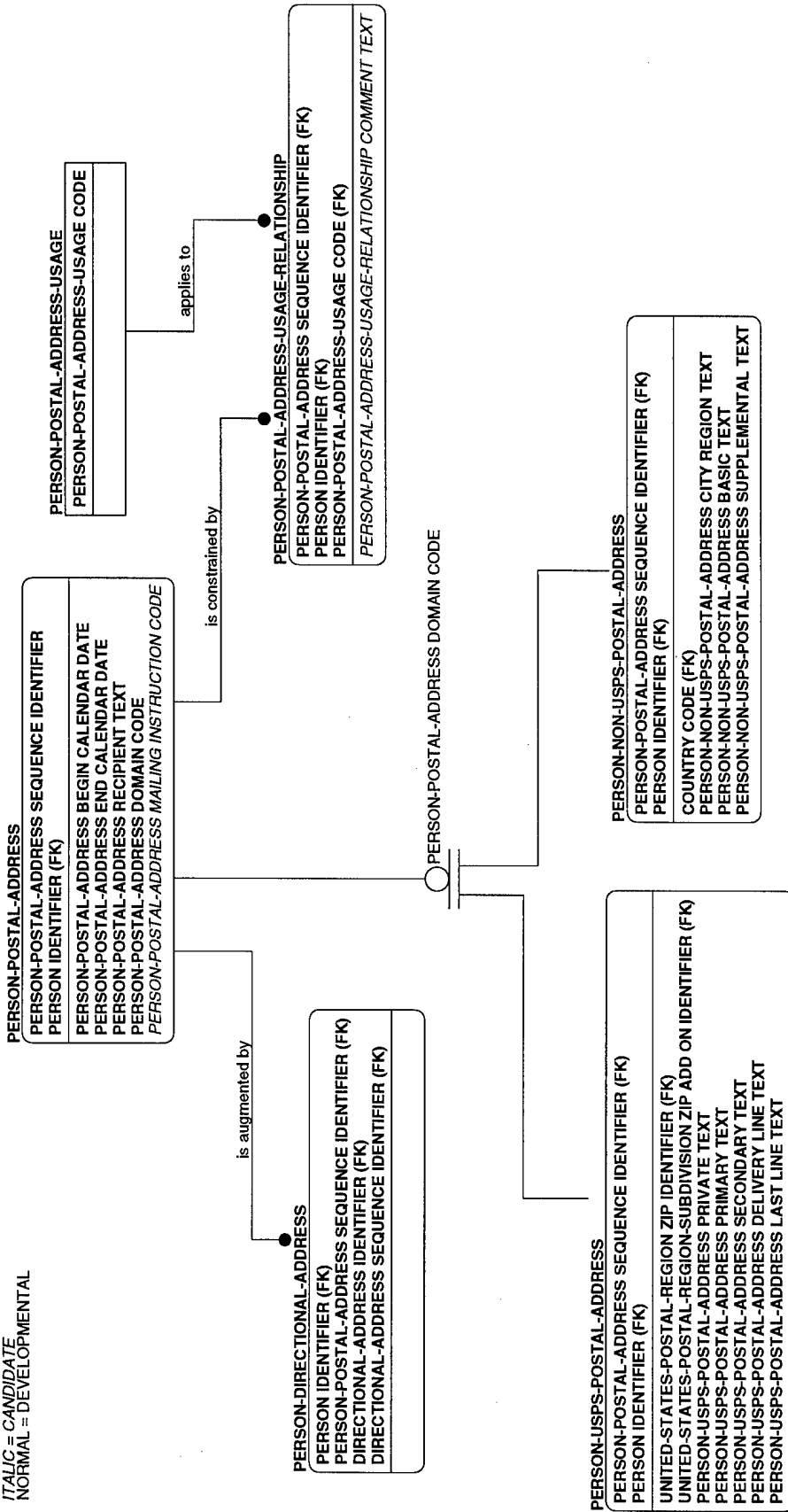


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PE-15
30 NOVEMBER 1998

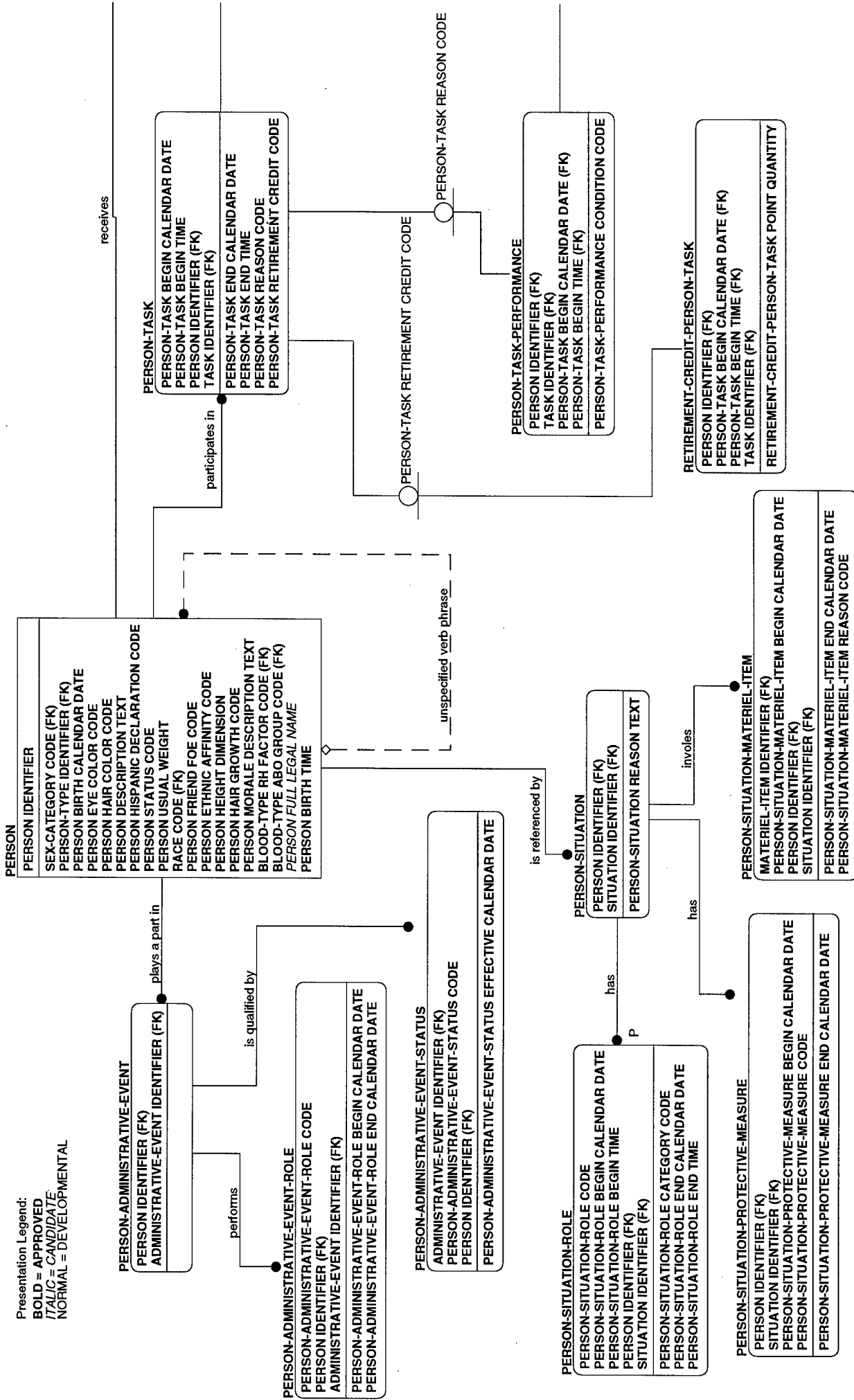
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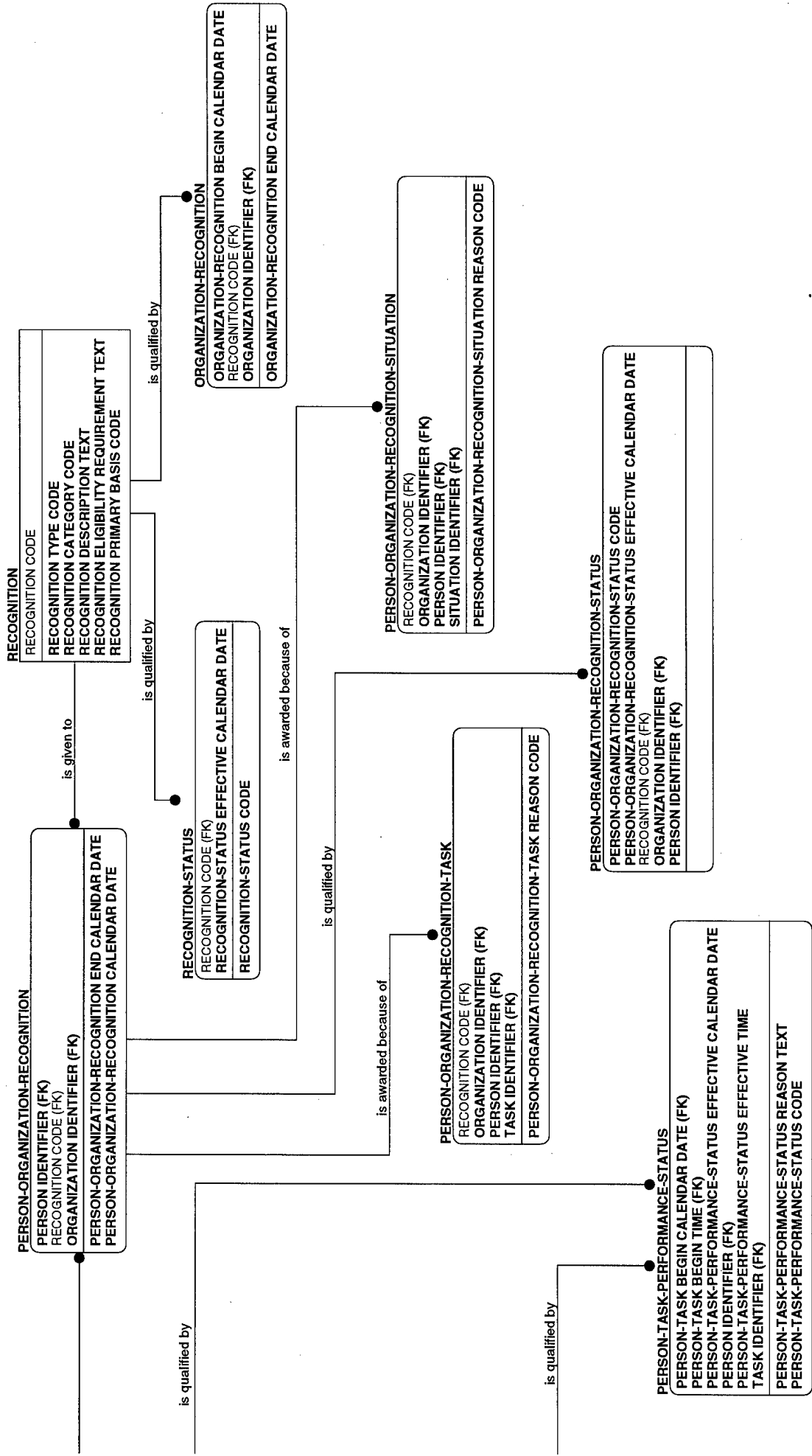
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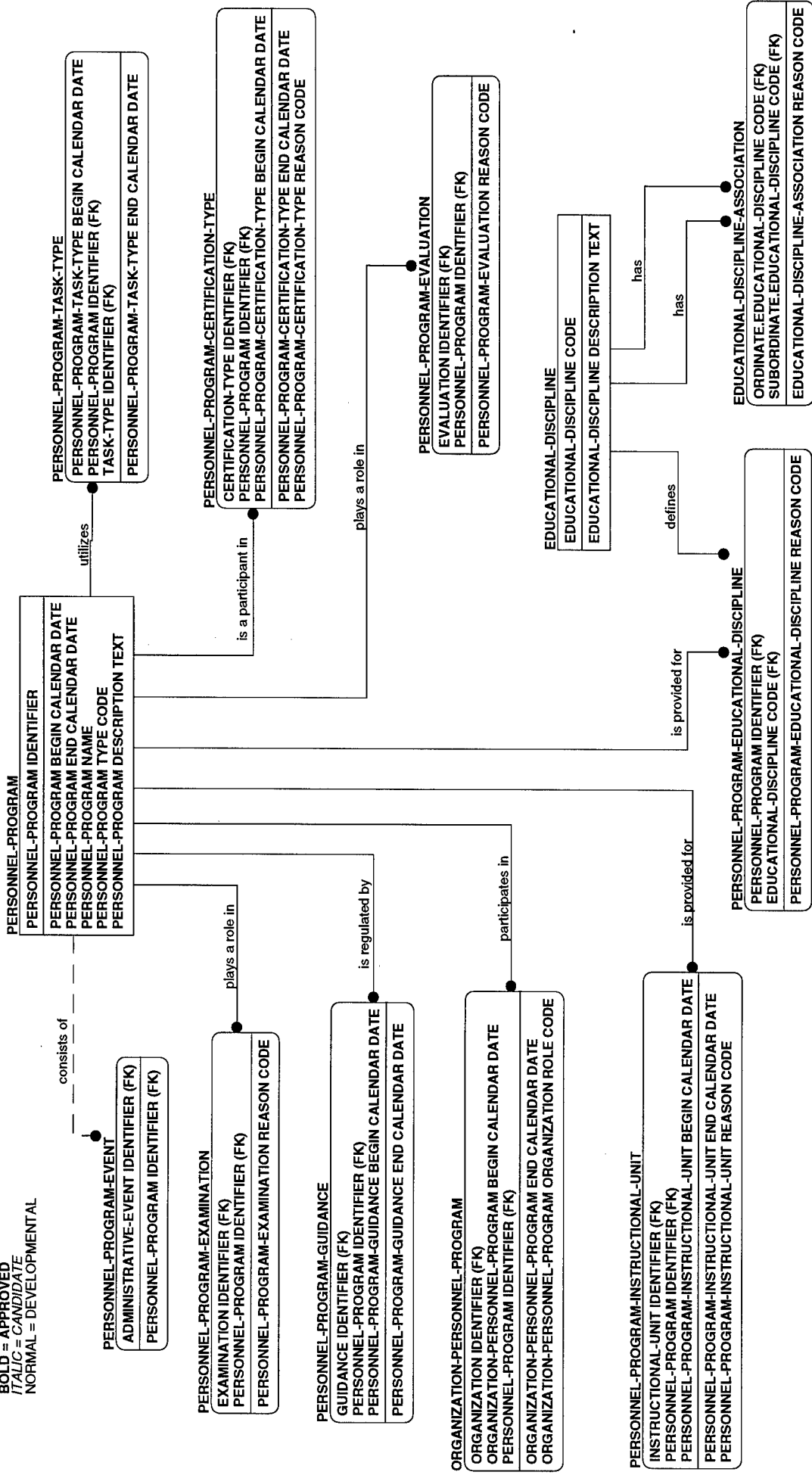




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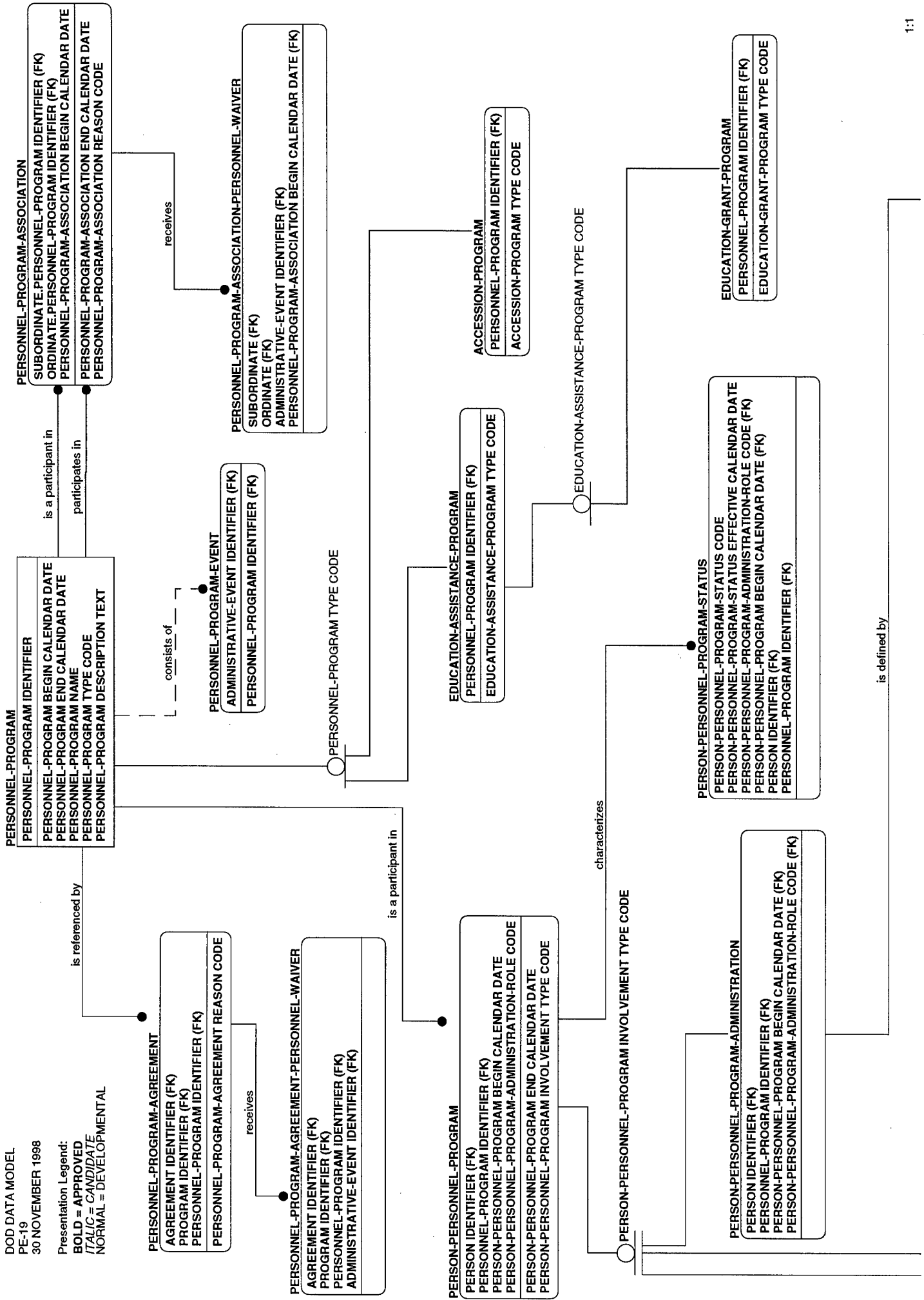
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PE-19

Presentation Legend:
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ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



PERSON-PERSONNEL-PROGRAM-PARTICIPATION

PERSON IDENTIFIER (FK)
PERSONNEL-PROGRAM IDENTIFIER (FK)
PERSON-PERSONNEL-PROGRAM BEGIN CALENDAR DATE (FK)
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE CODE (FK)
PERSON-PERSONNEL-PROGRAM-PARTICIPATION CATEGORY CODE
PERSON-PERSONNEL-PROGRAM-PARTICIPATION REFERRAL SOURCE CODE

is qualified by

PERSON-PERSONNEL-PROGRAM-PREFERENCE

PERSON IDENTIFIER (FK)
PERSONNEL-PROGRAM IDENTIFIER (FK)
PERSON-PERSONNEL-PROGRAM BEGIN CALENDAR DATE (FK)
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE CODE (FK)
PERSON-PERSONNEL-PROGRAM-PREFERENCE ORDINAL IDENTIFIER

PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS

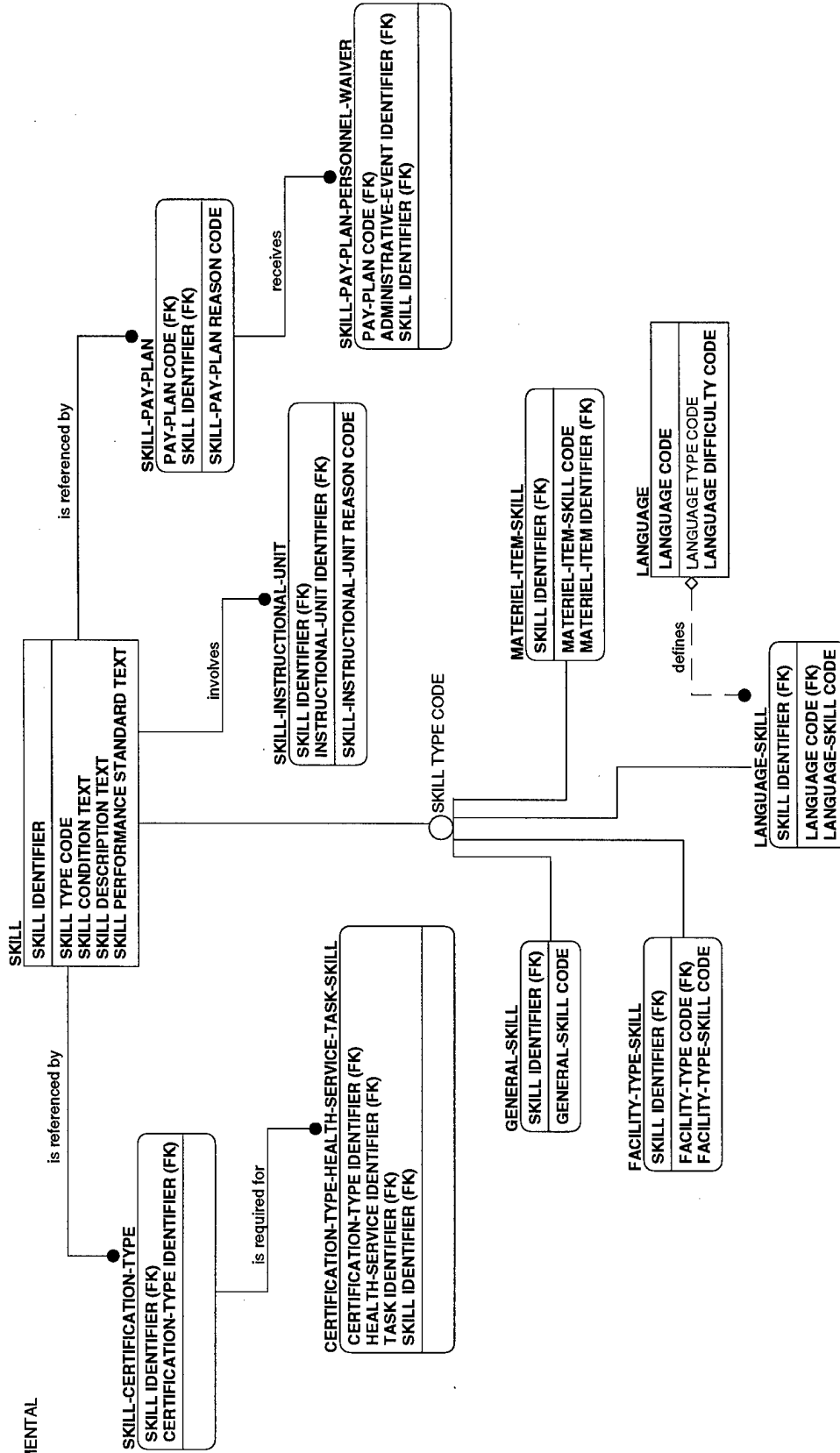
PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS CODE
PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS EFFECTIVE CALENDAR DATE
PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS CATEGORY CODE
PERSON IDENTIFIER (FK)
PERSONNEL-PROGRAM IDENTIFIER (FK)
PERSON-PERSONNEL-PROGRAM BEGIN CALENDAR DATE (FK)
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE CODE (FK)
PERSON-PERSONNEL-PROGRAM-PARTICIPATION-STATUS REASON TEXT

PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE

PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE BEGIN CALENDAR DATE
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE CODE (FK)
PERSON IDENTIFIER (FK)
PERSONNEL-PROGRAM IDENTIFIER (FK)
PERSON-PERSONNEL-PROGRAM BEGIN CALENDAR DATE (FK)
PERSON-PERSONNEL-PROGRAM-ADMINISTRATION-ROLE END CALENDAR DATE

PE-20

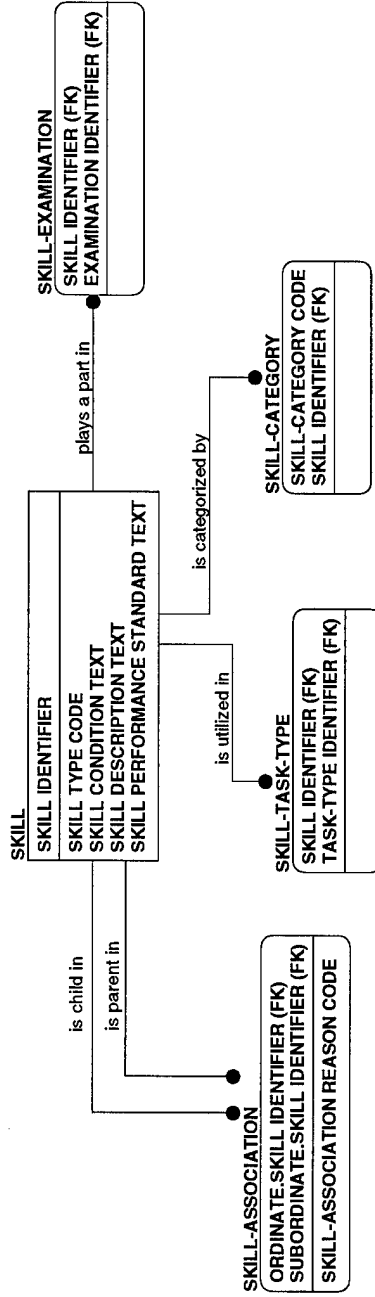
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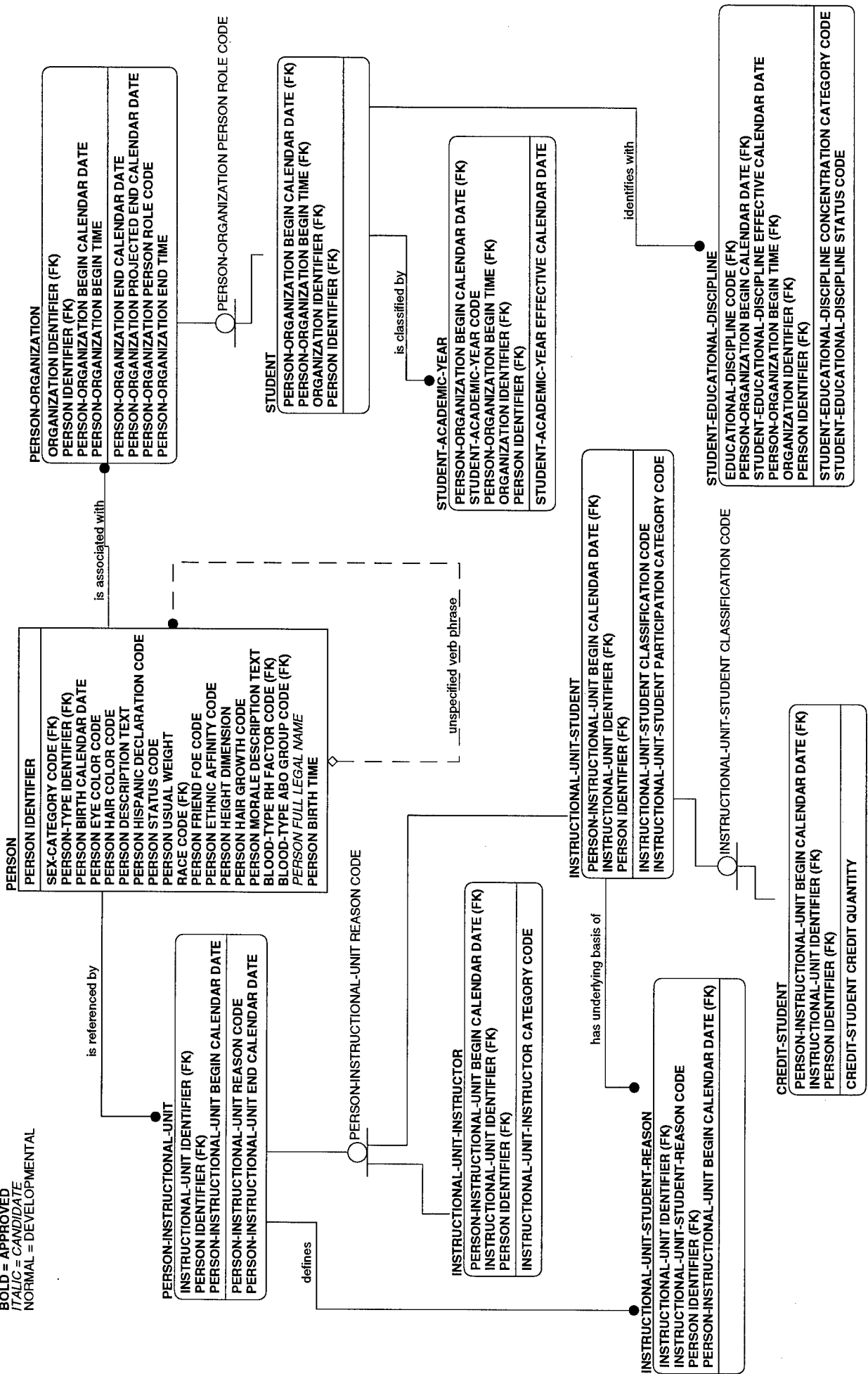
DOD DATA MODEL
PE-21
30 NOVEMBER 1998

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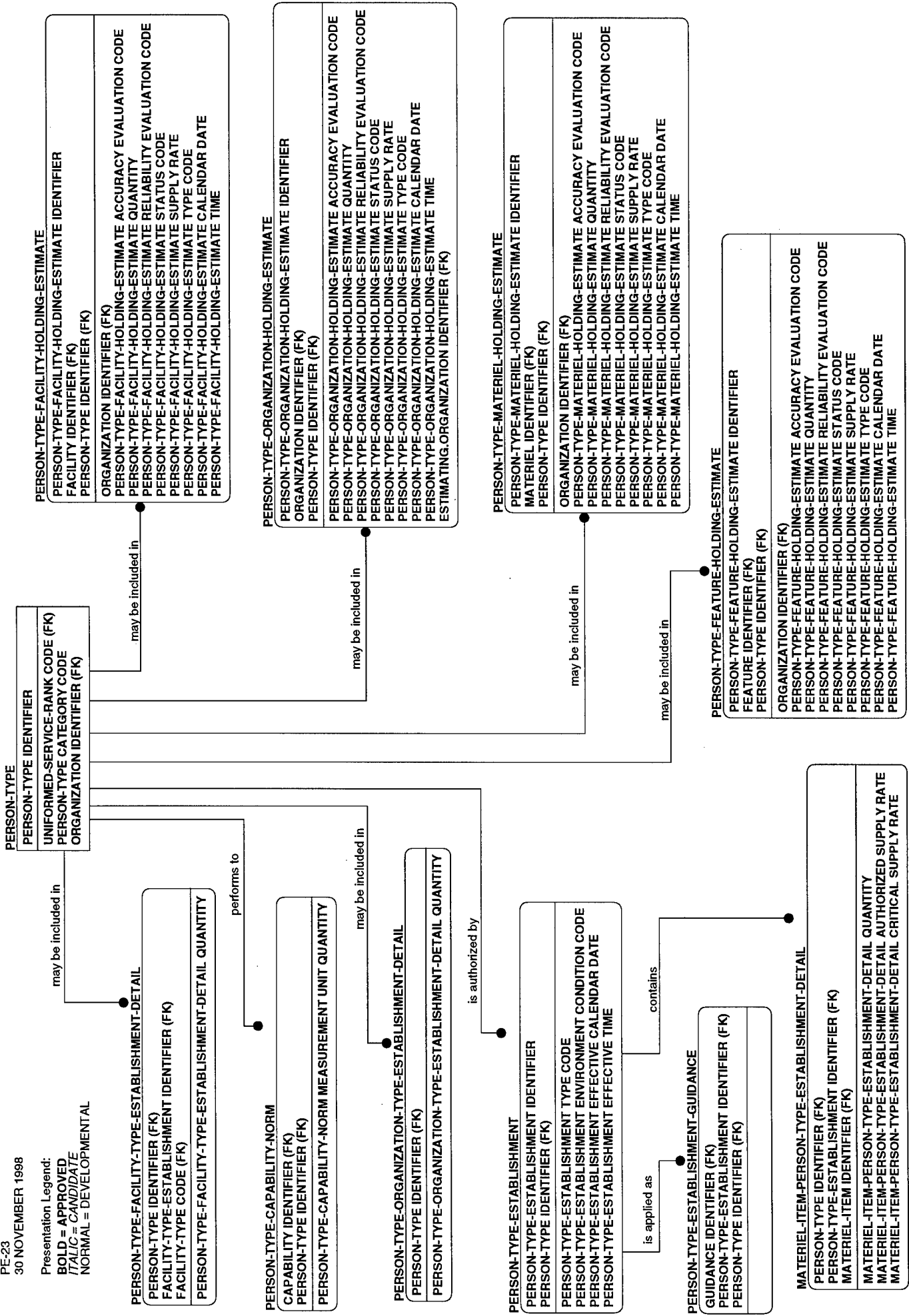
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PE-23

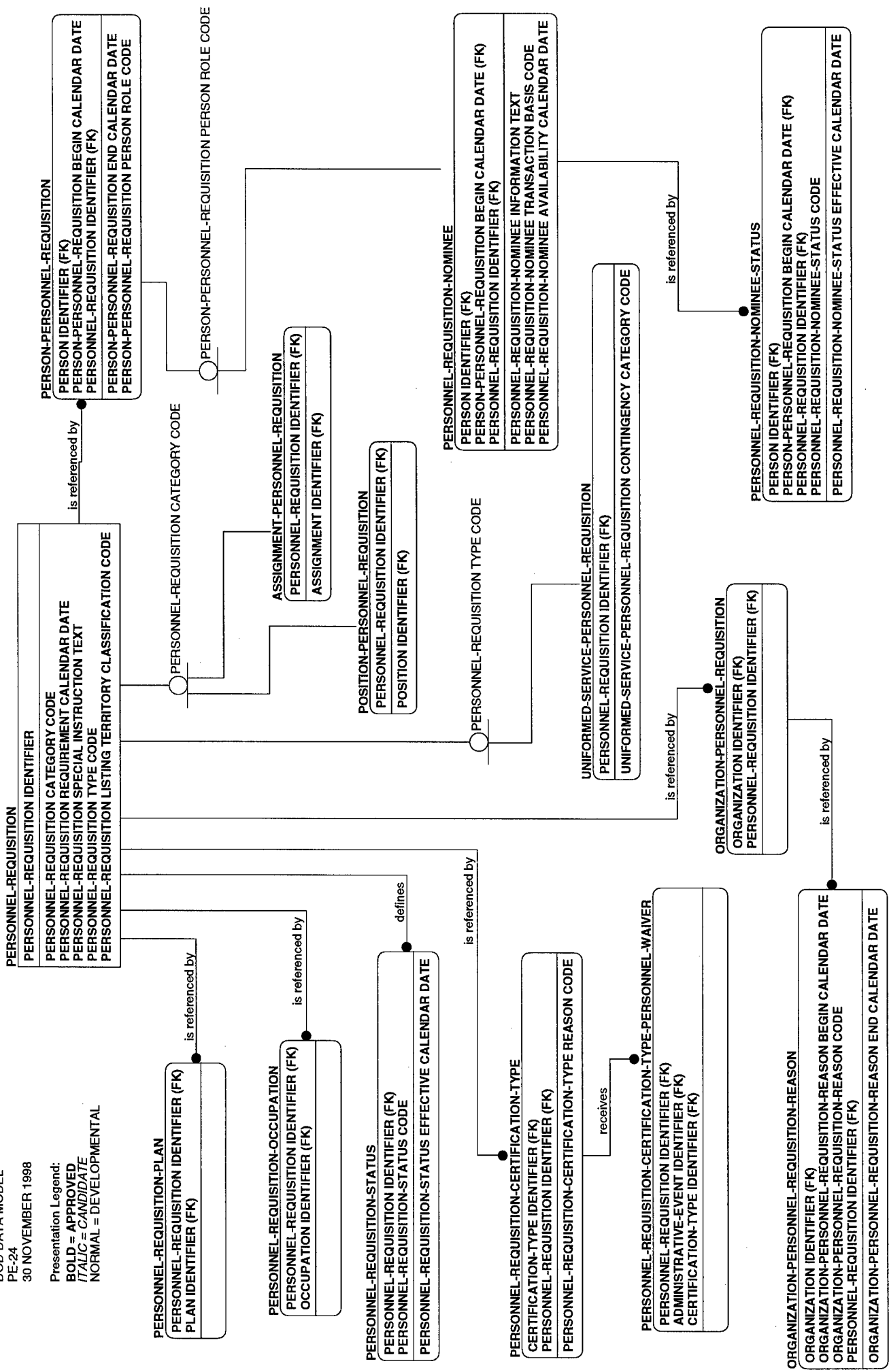
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PE-24

DOD DATA MODEL
PE-24
30 NOVEMBER 1998

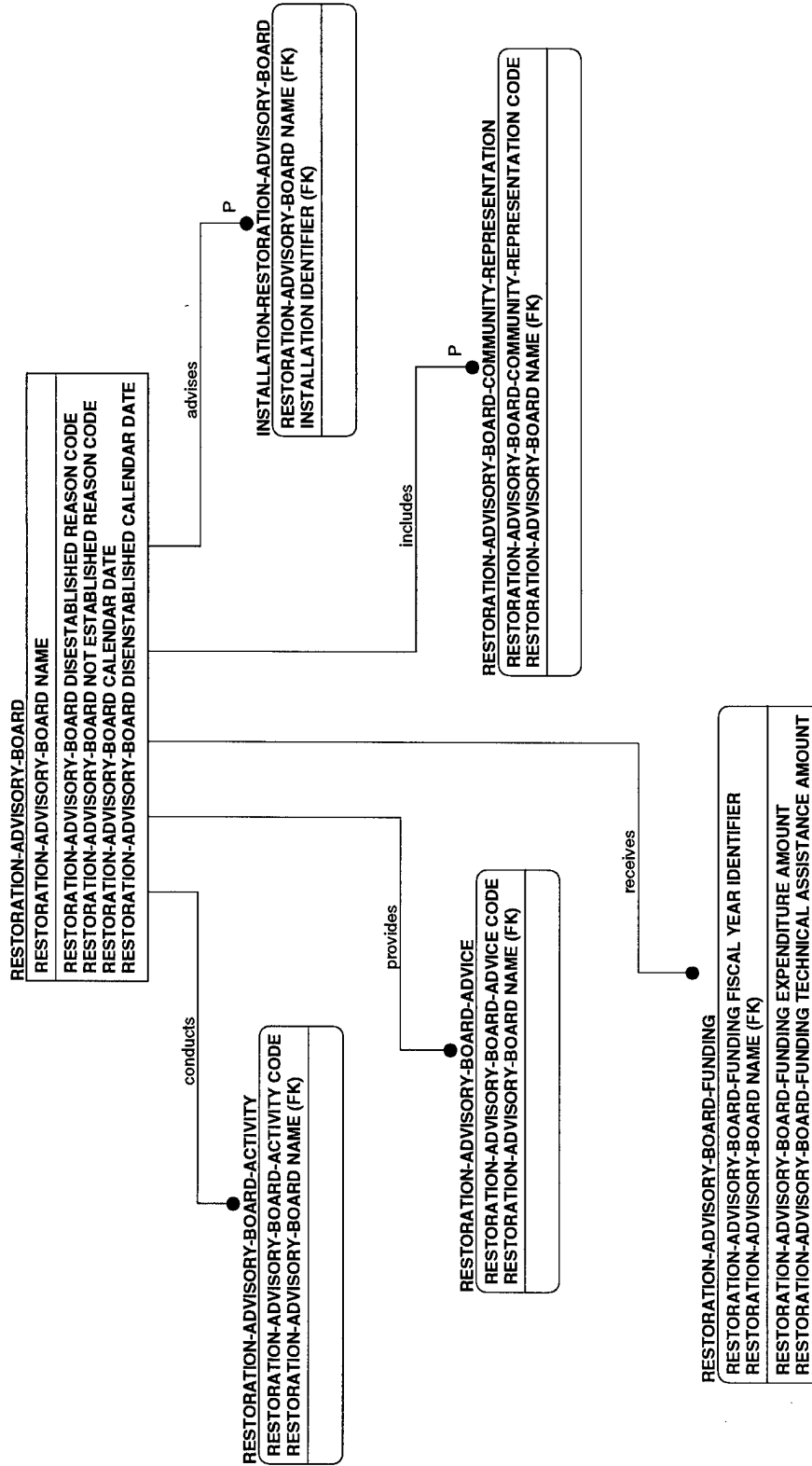
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PE-26

DOD DATA MODEL
 PE-26
 30 NOVEMBER 1998

Presentation Legend:
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 NORMAL = DEVELOPMENTAL



PE-27

DOD DATA MODEL
PE-27
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL

SECURITY-CLEARANCE
SECURITY-CLEARANCE IDENTIFIER
SECURITY-CLEARANCE CATEGORY CODE
SECURITY-CLEARANCE STATUS CODE
SECURITY-CLASSIFICATION CODE (FK)

provides basis for



SECURITY-CLEARANCE CATEGORY CODE

ORGANIZATION-SECURITY-CLEARANCE

ORGANIZATION-SECURITY-CLEARANCE
SECURITY-CLEARANCE IDENTIFIER (FK)
ORGANIZATION IDENTIFIER (FK)
ORGANIZATION-SECURITY-CLEARANCE EFFECTIVE DATE
ORGANIZATION-SECURITY-CLEARANCE EFFECTIVE TIME
ORGANIZATION-SECURITY-CLEARANCE REASON CODE

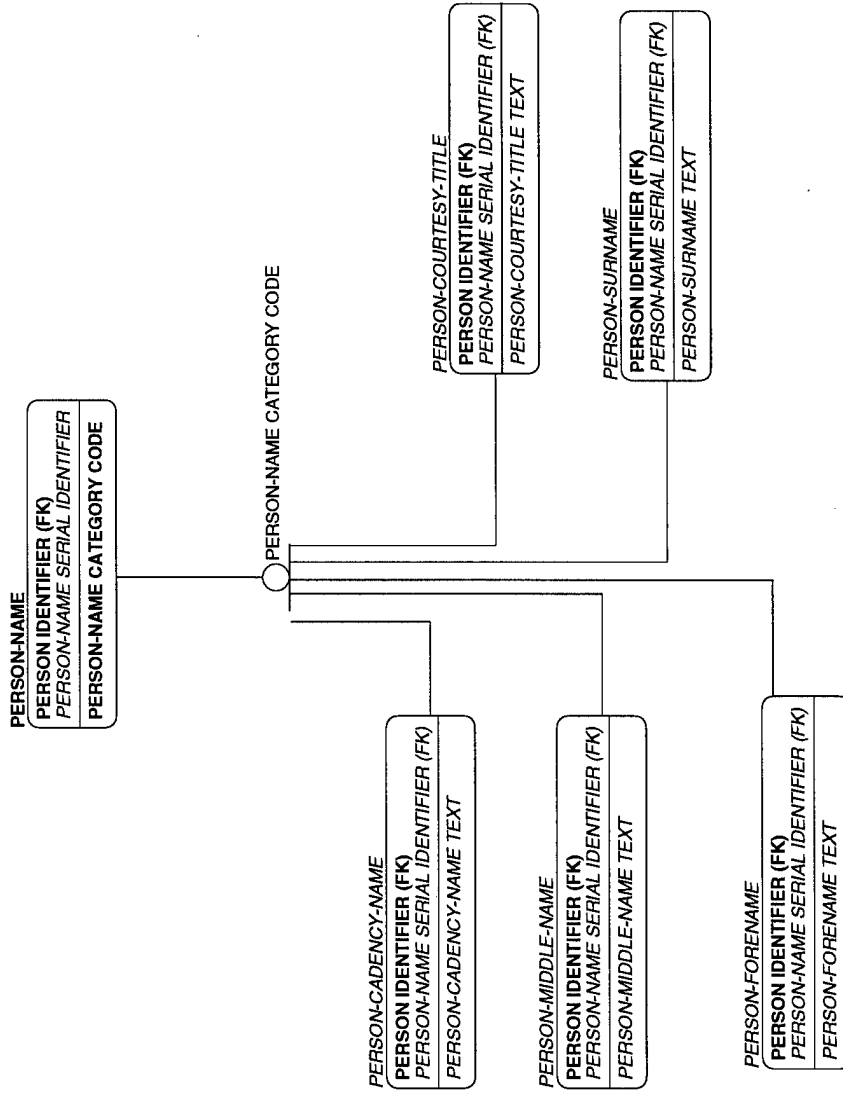
PERSON-SECURITY-CLEARANCE

PERSON-SECURITY-CLEARANCE
SECURITY-CLEARANCE IDENTIFIER (FK)
PERSON IDENTIFIER (FK)

PE-28

DOD DATA MODEL
PE-28
30 NOVEMBER 1998

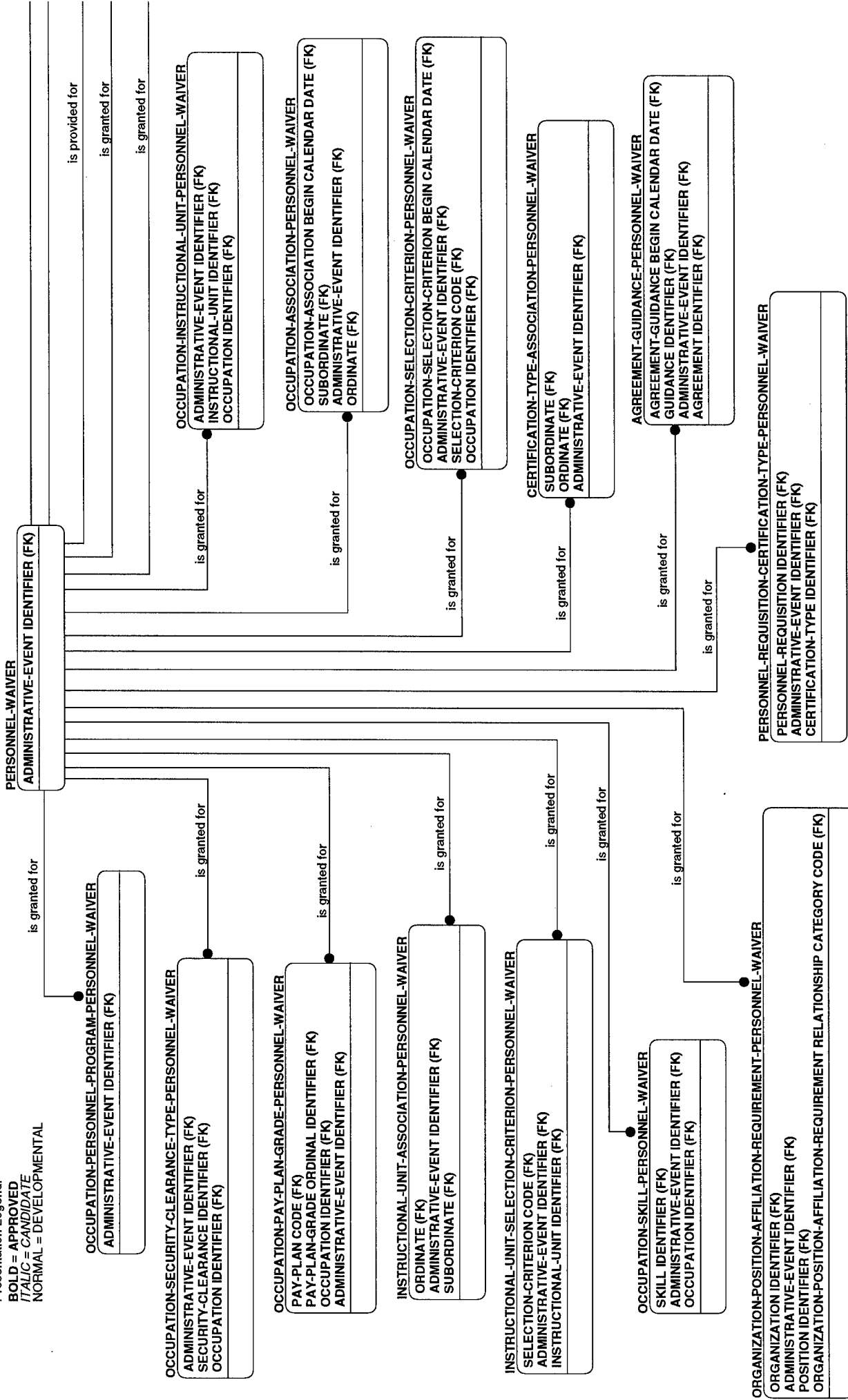
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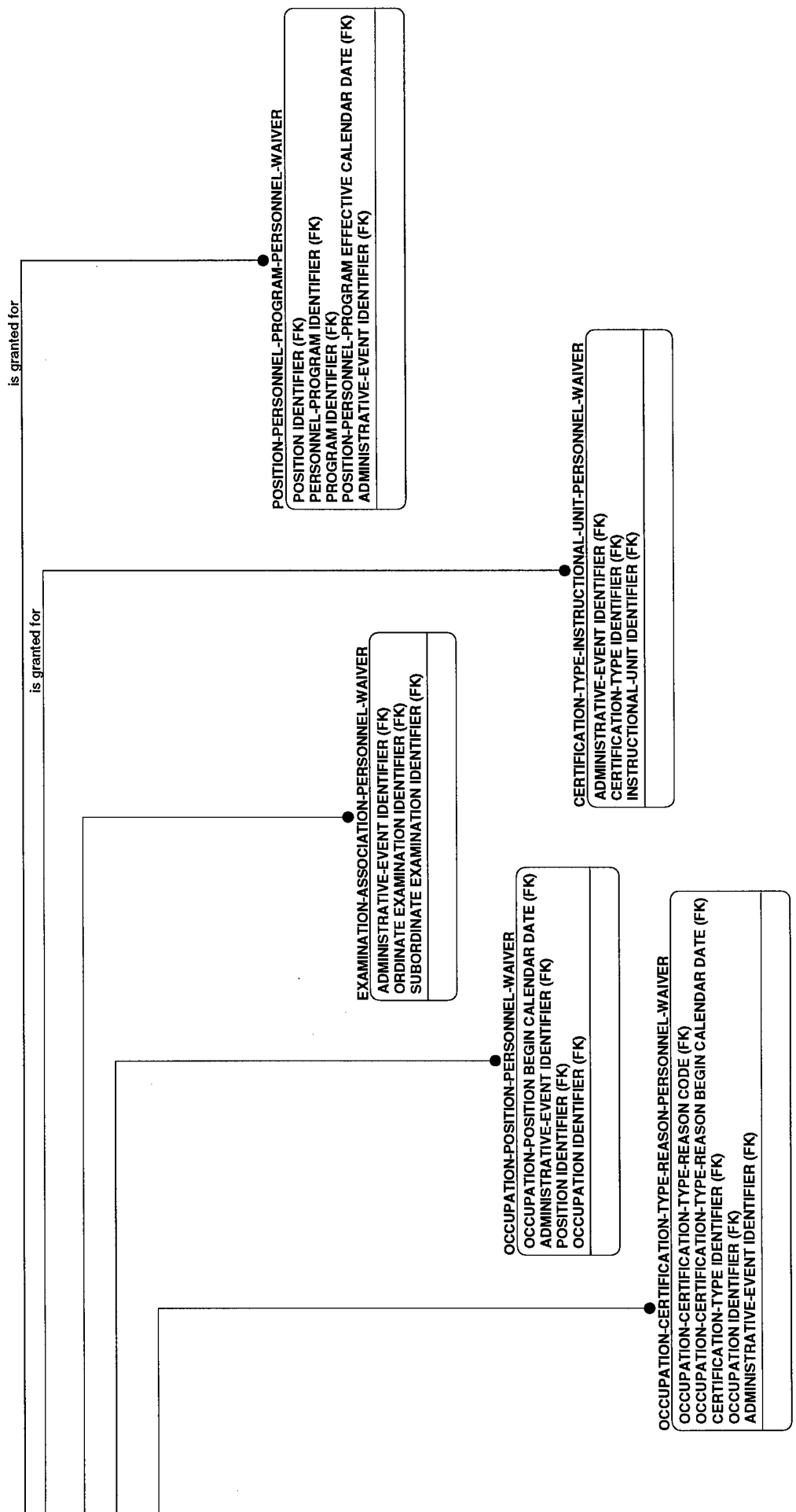


PE-29

DOD DATA MODEL
 PE-29
 30 NOVEMBER 1998

Presentation Legend:
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ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL





PERSONNEL-PROGRAM-PERSONNEL-WAIVER
 POSITION IDENTIFIER (FK)
 PERSONNEL-PROGRAM IDENTIFIER (FK)
 PROGRAM IDENTIFIER (FK)
 POSITION-PERSONNEL-PROGRAM EFFECTIVE CALENDAR DATE (FK)
 ADMINISTRATIVE-EVENT IDENTIFIER (FK)

EXAMINATION-ASSOCIATION-PERSONNEL-WAIVER
 ADMINISTRATIVE-EVENT IDENTIFIER (FK)
 ORDINATE EXAMINATION IDENTIFIER (FK)
 SUBORDINATE EXAMINATION IDENTIFIER (FK)

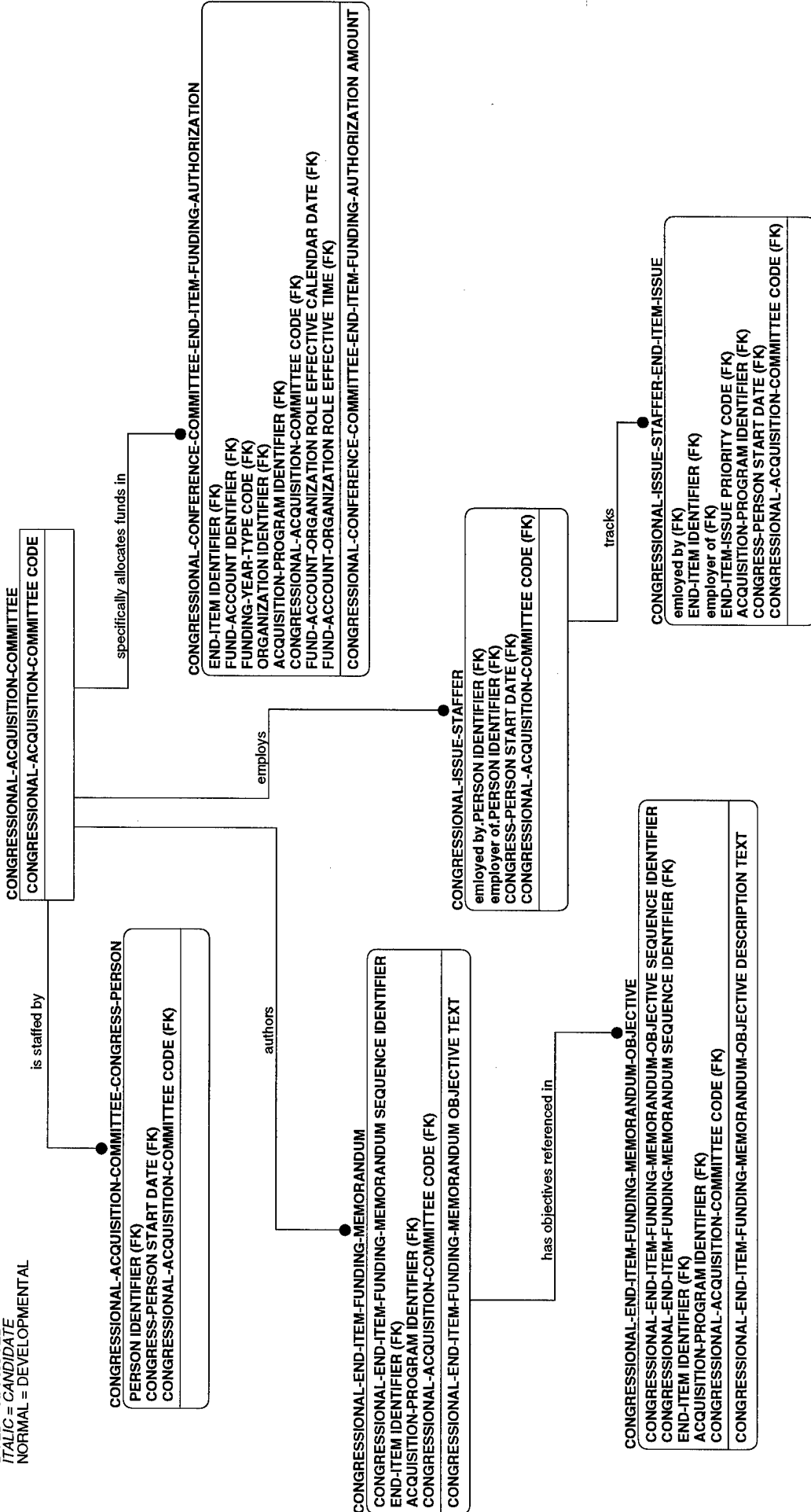
OCCUPATION-POSITION-PERSONNEL-WAIVER
 OCCUPATION-POSITION BEGIN CALENDAR DATE (FK)
 ADMINISTRATIVE-EVENT IDENTIFIER (FK)
 POSITION IDENTIFIER (FK)
 OCCUPATION IDENTIFIER (FK)

CERTIFICATION-TYPE-INSTRUCTIONAL-UNIT-PERSONNEL-WAIVER
 ADMINISTRATIVE-EVENT IDENTIFIER (FK)
 CERTIFICATION-TYPE IDENTIFIER (FK)
 INSTRUCTIONAL-UNIT IDENTIFIER (FK)

OCCUPATION-CERTIFICATION-TYPE-REASON-PERSONNEL-WAIVER
 OCCUPATION-CERTIFICATION-TYPE-REASON CODE (FK)
 OCCUPATION-CERTIFICATION-TYPE-REASON BEGIN CALENDAR DATE (FK)
 CERTIFICATION-TYPE IDENTIFIER (FK)
 OCCUPATION IDENTIFIER (FK)
 ADMINISTRATIVE-EVENT IDENTIFIER (FK)

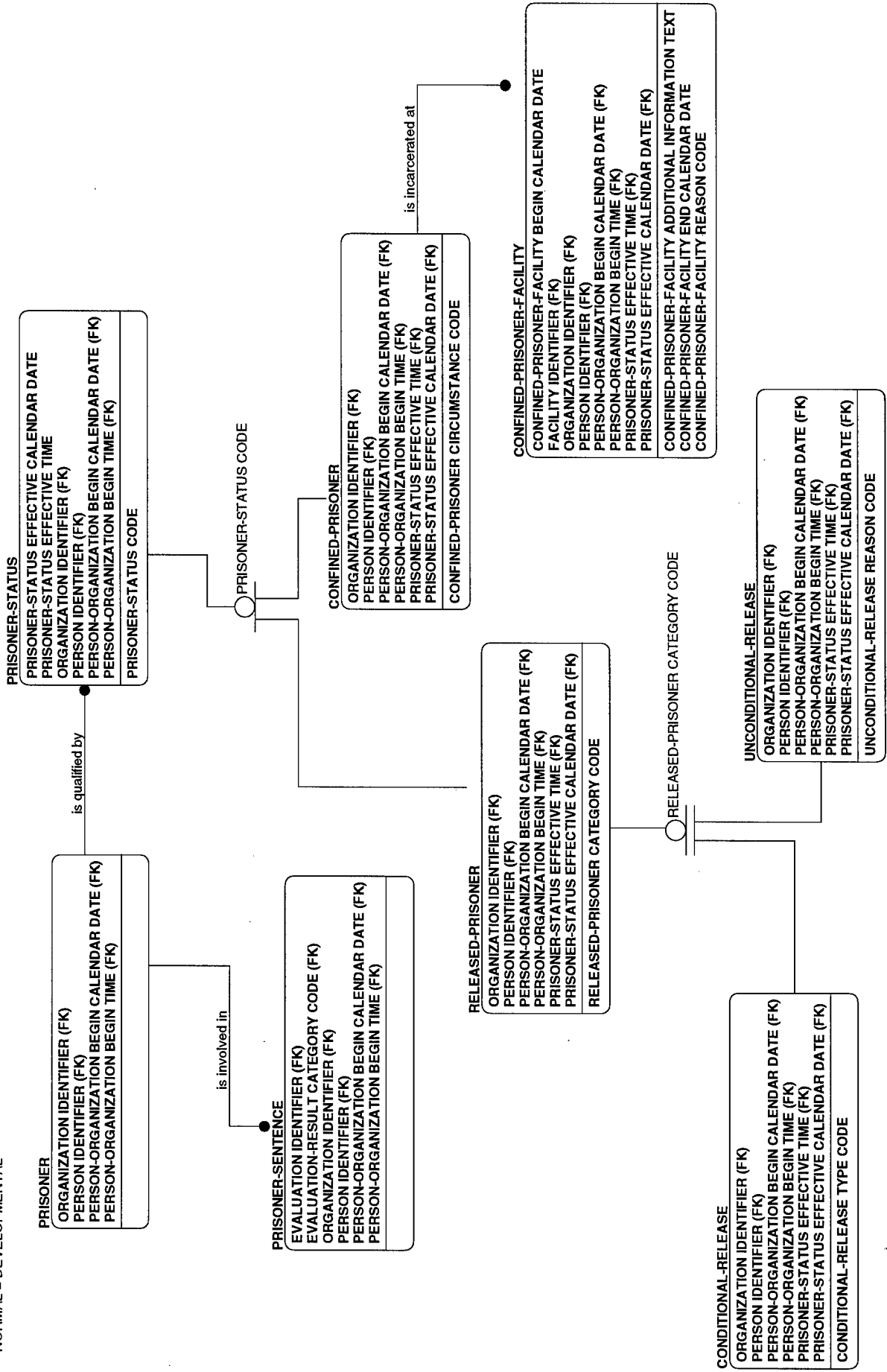
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PE-31

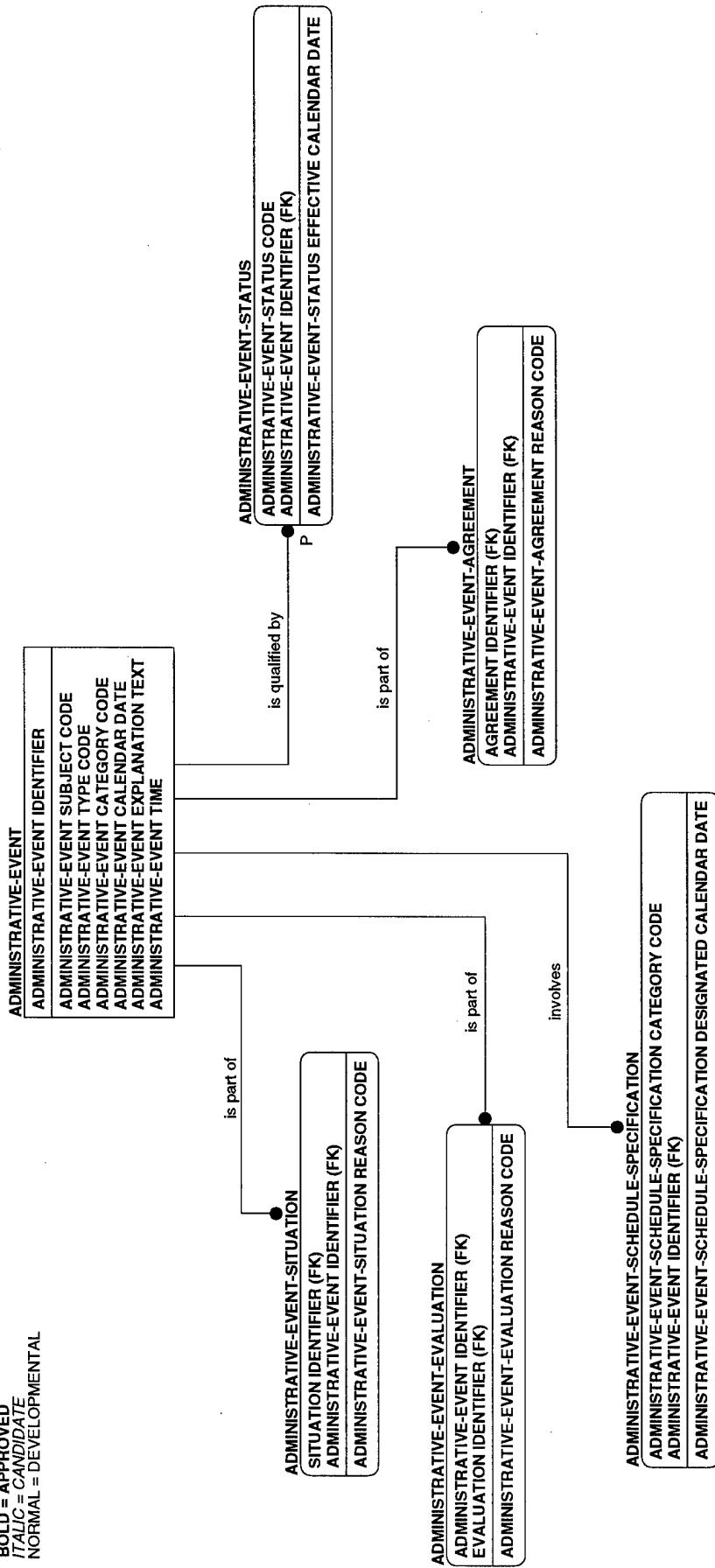
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PE-32

DOD DATA MODEL
 PE-32
 30 NOVEMBER 1998

Presentation Legend:
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 NORMAL = DEVELOPMENTAL



Section 3.18

Plan

Section 3.18 Plan Subject Area

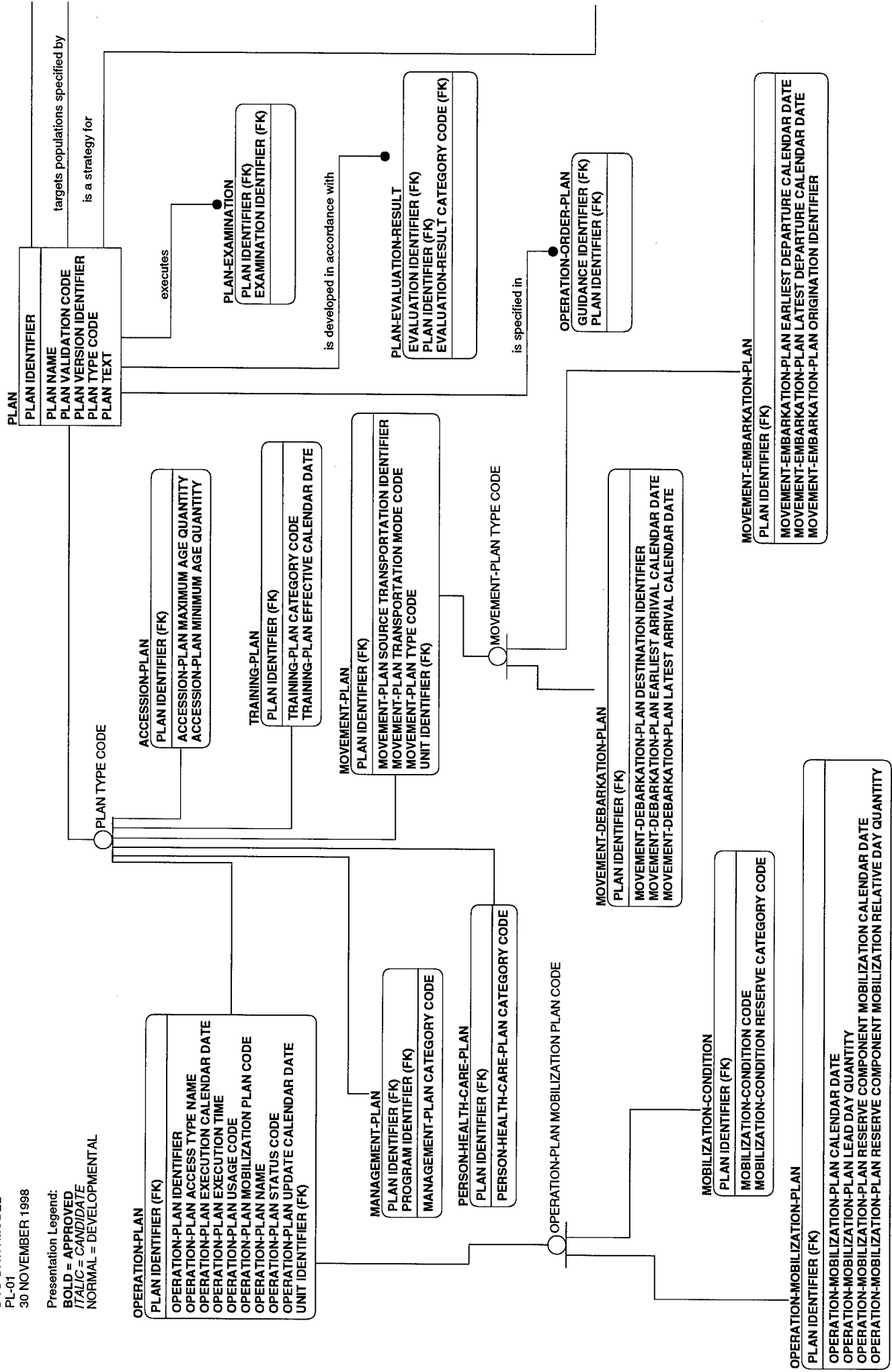
Purpose: The PLAN Subject Area View identifies all the data related to PLANs and strategies (management and military operational) of importance to the DoD mission. The PLAN Subject Area View includes the data related to preparing financial budgets.

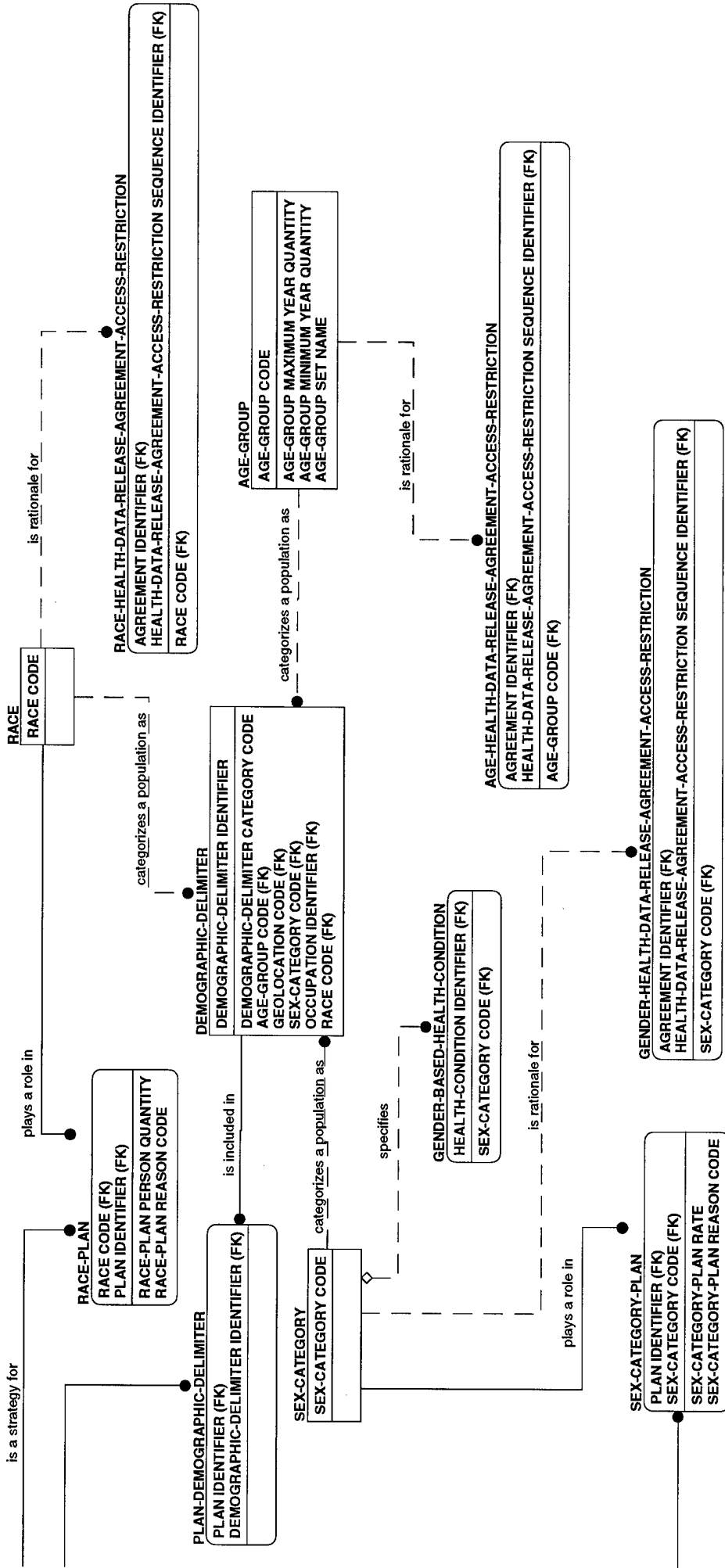
Note: The following subsections contain the View data maps which comprise this Subject Area. Every data requirement within this Subject Area will be represented in at least one of the Views. The View data maps are in numeric order.

PL-01

DOD DATA MODEL
 PL-01
 30 NOVEMBER 1998

Presentation Legend:
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 NORMAL = DEVELOPMENTAL

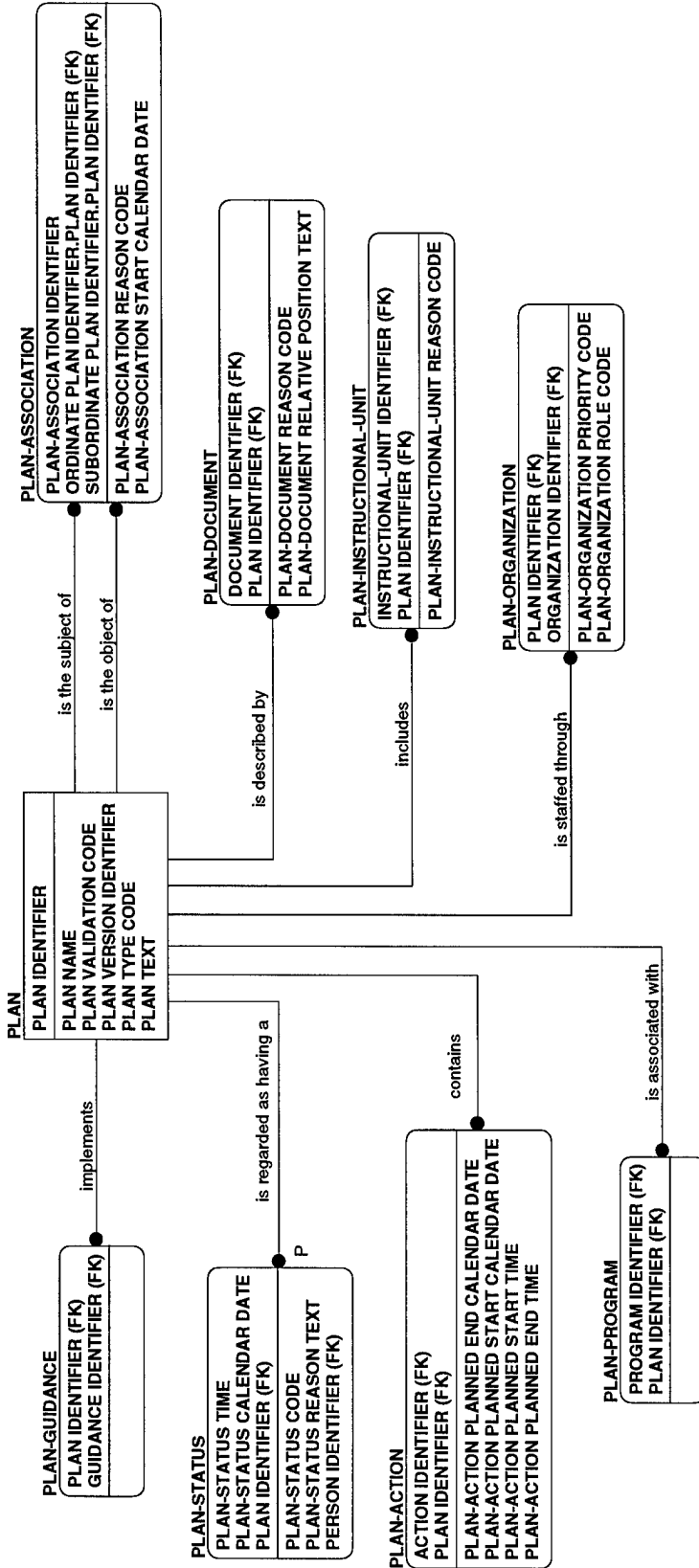




PL-02

DOD DATA MODEL
 PL-02
 30 NOVEMBER 1998

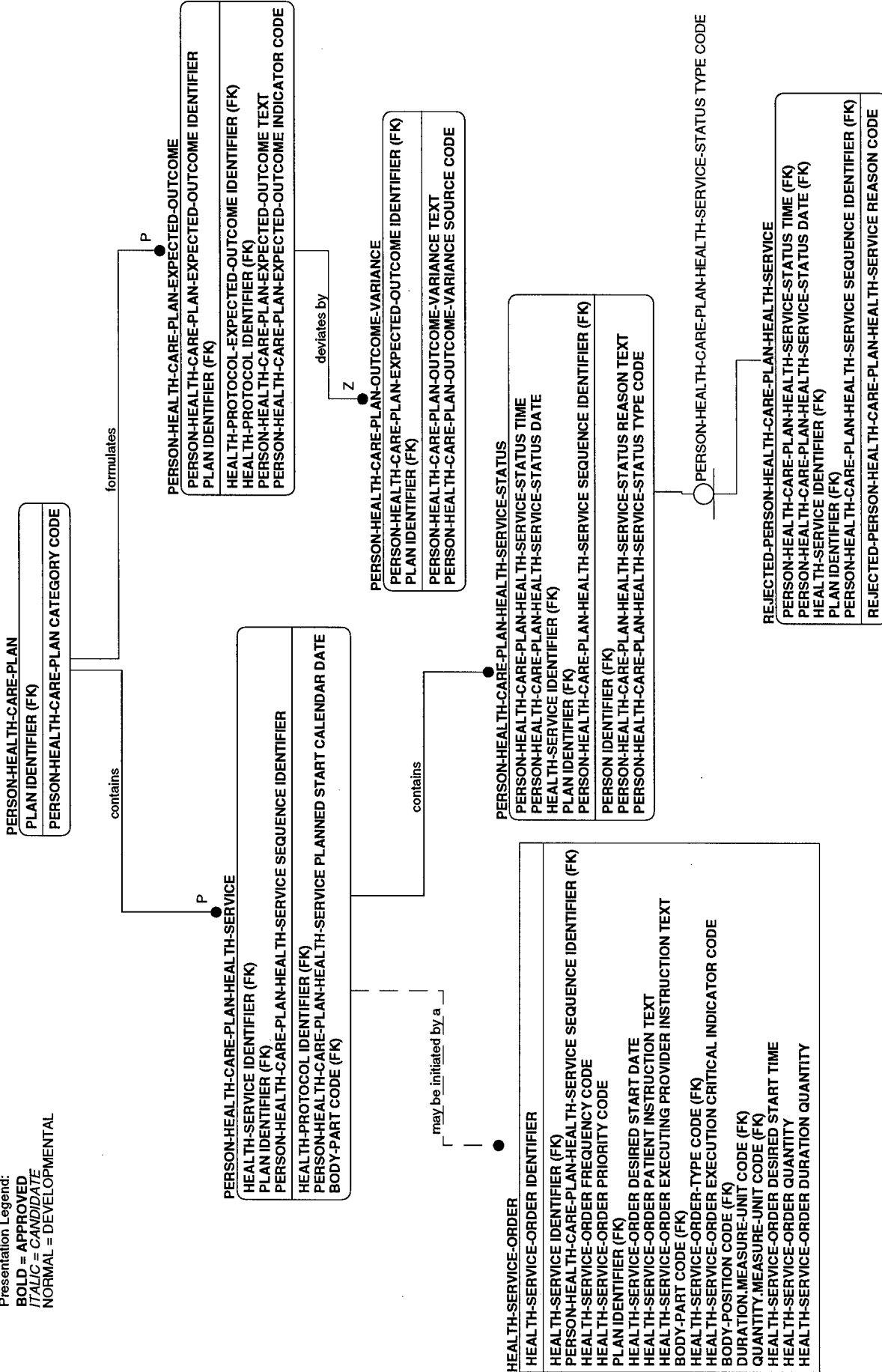
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PL-03

DOD DATA MODEL
 PL-03
 30 NOVEMBER 1998

Presentation Legend:
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 NORMAL = DEVELOPMENTAL



Section 3.19

Situation

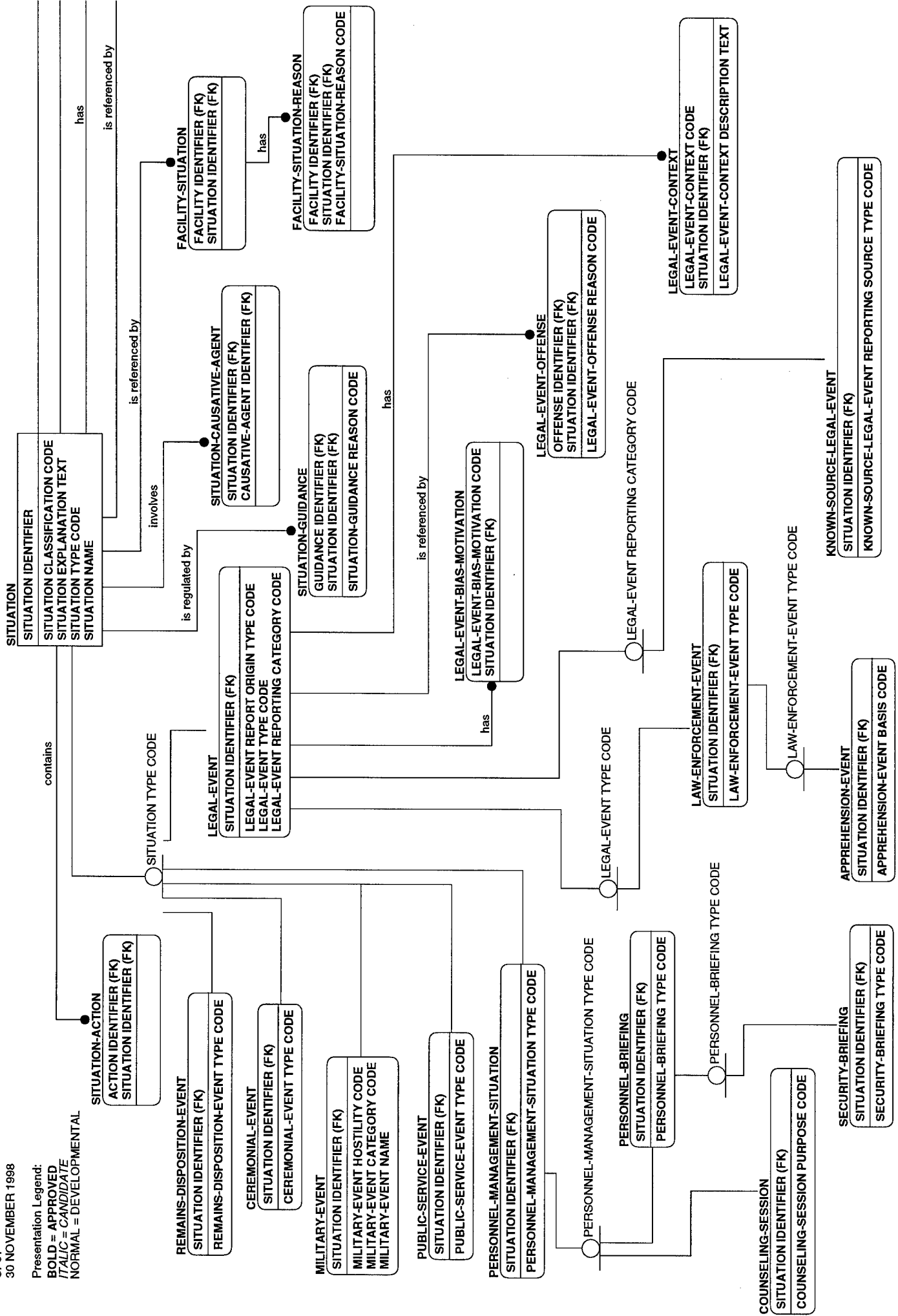
Section 3.19 Situation Subject Area

Purpose: The SITUATION Subject Area View includes the data necessary to maintain visibility of world, economic, military and political events and situations important to the DoD mission. The SITUATIONs could instigate a planned and measured response providing for the common defense. This includes intelligence gathering.

Note: The following subsections contain the View data maps which comprise this Subject Area. Every data requirement within this Subject Area will be represented in at least one of the Views. The View data maps are in numeric order.

SI-01

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



SITUATION-ASSOCIATION
SUBORDINATE-SITUATION IDENTIFIER (FK)
ORDINATE-SITUATION IDENTIFIER (FK)
SITUATION-ASSOCIATION REASON CODE

has
has

SITUATION-SCHEDULE-COMPONENT
SITUATION IDENTIFIER (FK)
SITUATION-SCHEDULE-COMPONENT CATEGORY CODE
SITUATION-SCHEDULE-COMPONENT CODE
SITUATION-SCHEDULE-COMPONENT DATE
SITUATION-SCHEDULE-COMPONENT TIME

ORGANIZATION-SITUATION
SITUATION IDENTIFIER (FK)
ORGANIZATION IDENTIFIER (FK)
SOURCE-DESIGNATED-SITUATION IDENTIFIER

has

ORGANIZATION-SITUATION-ROLE
ORGANIZATION-SITUATION-ROLE CODE
ORGANIZATION-SITUATION-ROLE BEGIN CALENDAR DATE
ORGANIZATION-SITUATION-ROLE BEGIN TIME
SITUATION IDENTIFIER (FK)
ORGANIZATION IDENTIFIER (FK)
ORGANIZATION-SITUATION-ROLE CATEGORY CODE
ORGANIZATION-SITUATION-ROLE END CALENDAR DATE
ORGANIZATION-SITUATION-ROLE END TIME

P

is assigned by

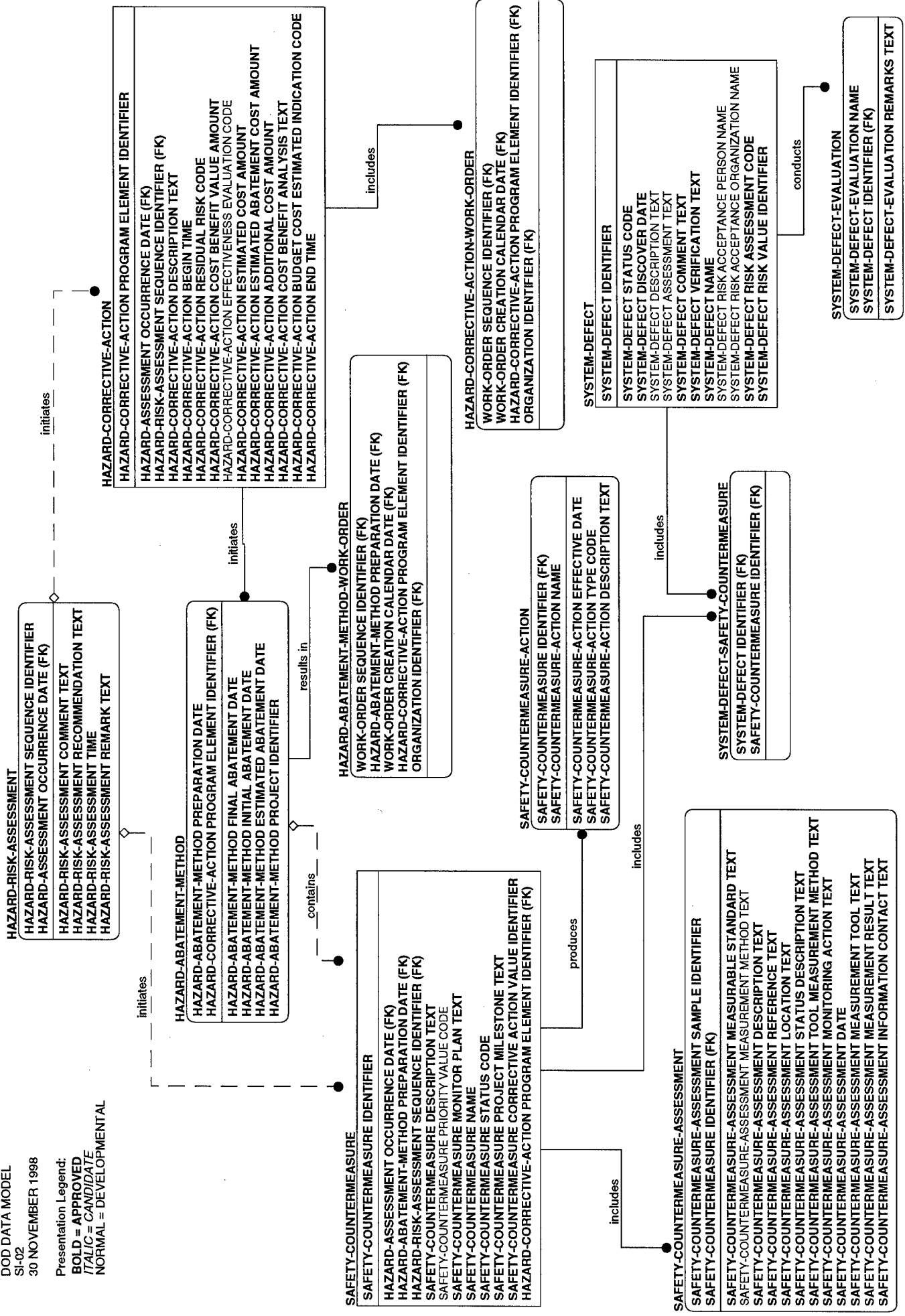
Z

SOURCE-DESIGNATED-SITUATION
ORGANIZATION IDENTIFIER (FK)
SITUATION IDENTIFIER (FK)
SOURCE-DESIGNATED-SITUATION IDENTIFIER

SI-02

DOD DATA MODEL
SI-02
30 NOVEMBER 1998

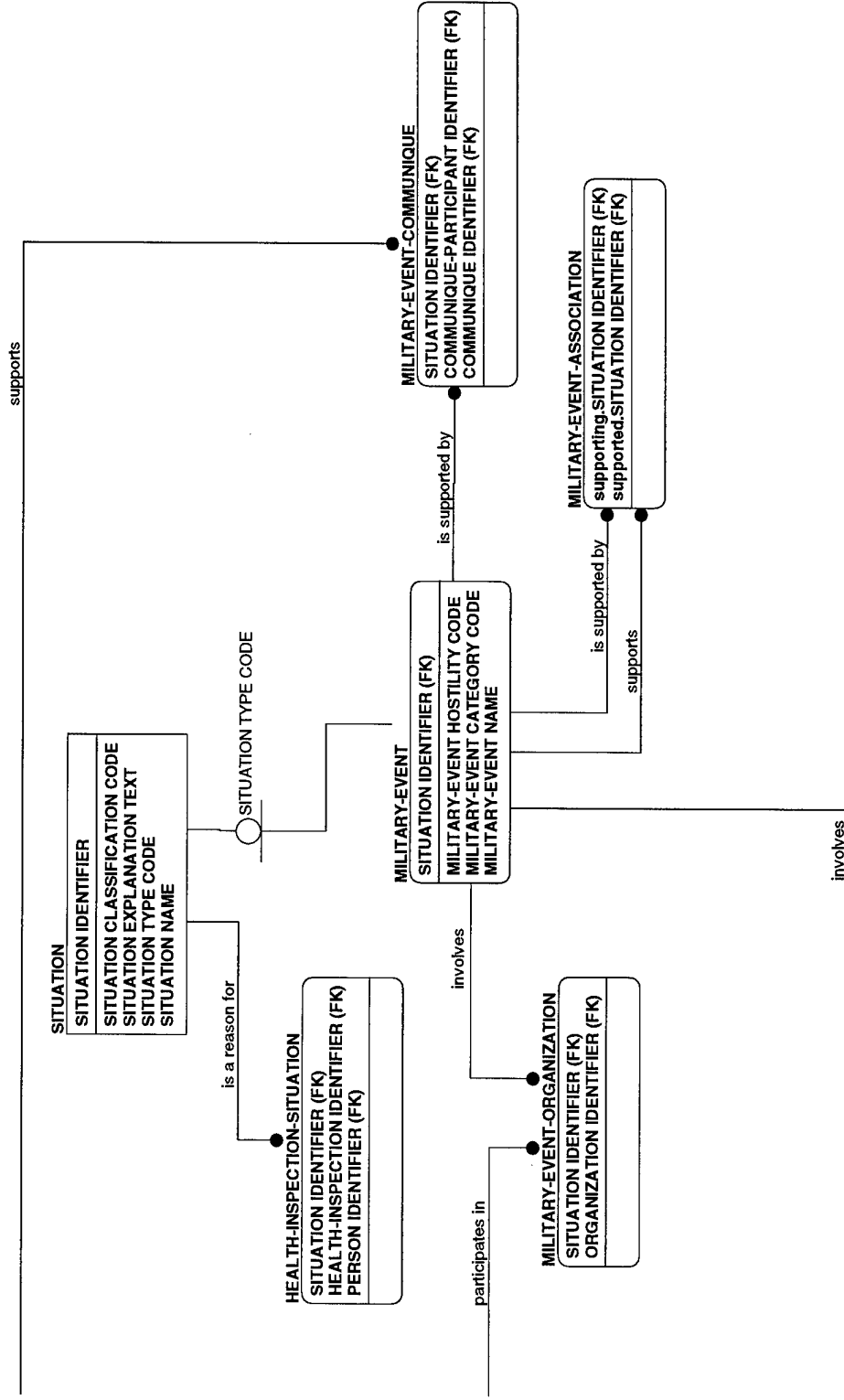
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



SI-03

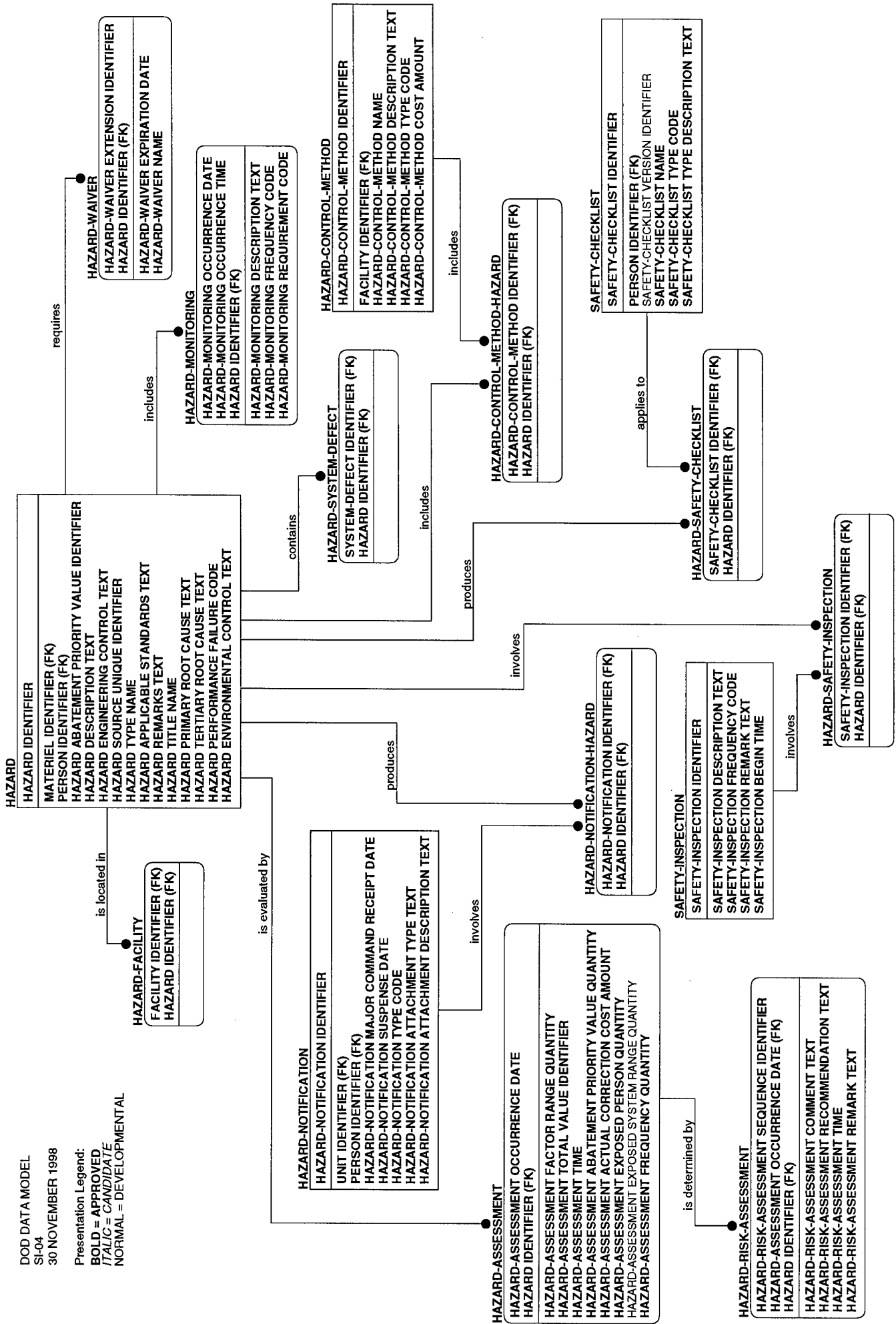
Presentation Legend:
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ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL





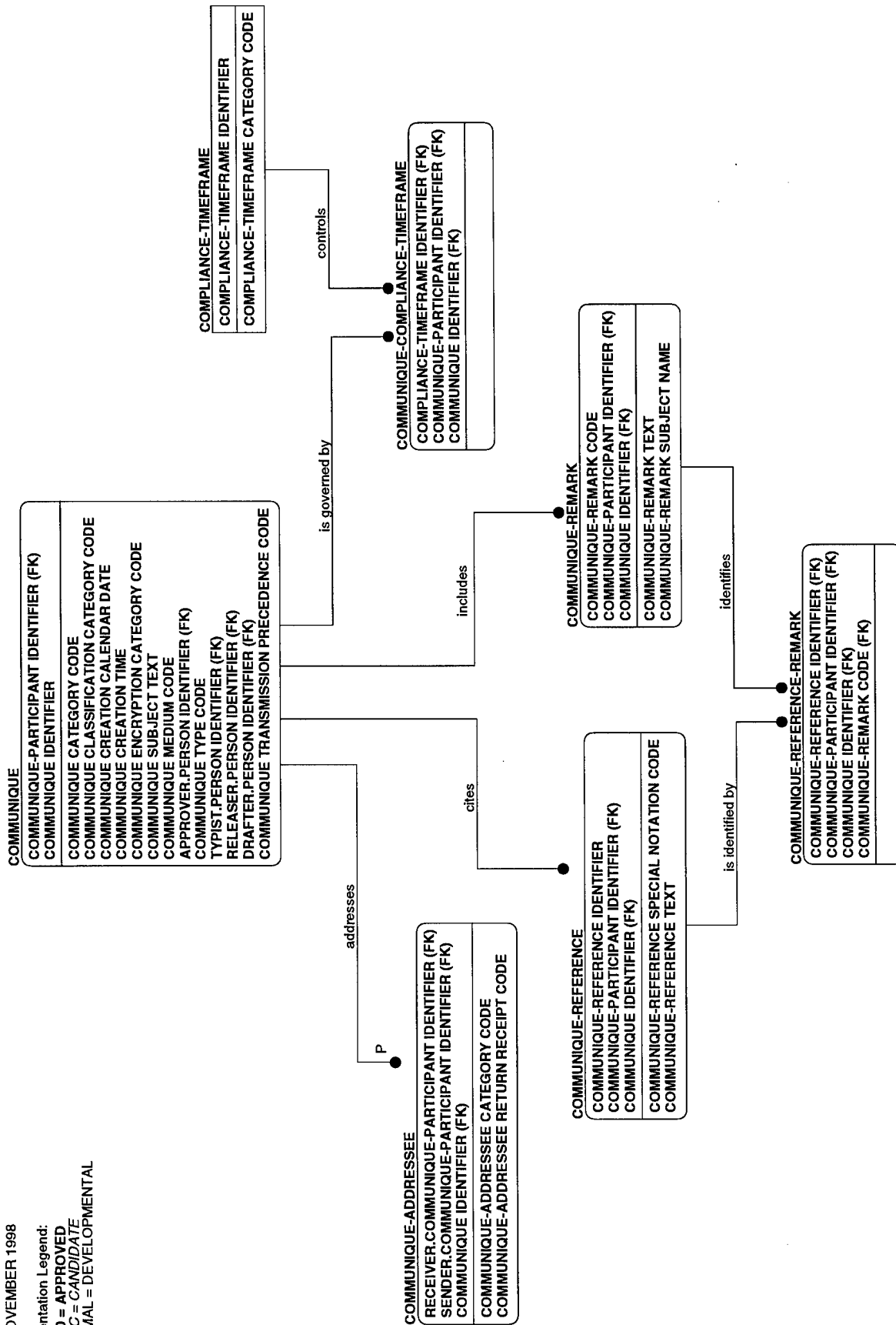
SI-04

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



SI-05

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



Section 3.20

Transportation

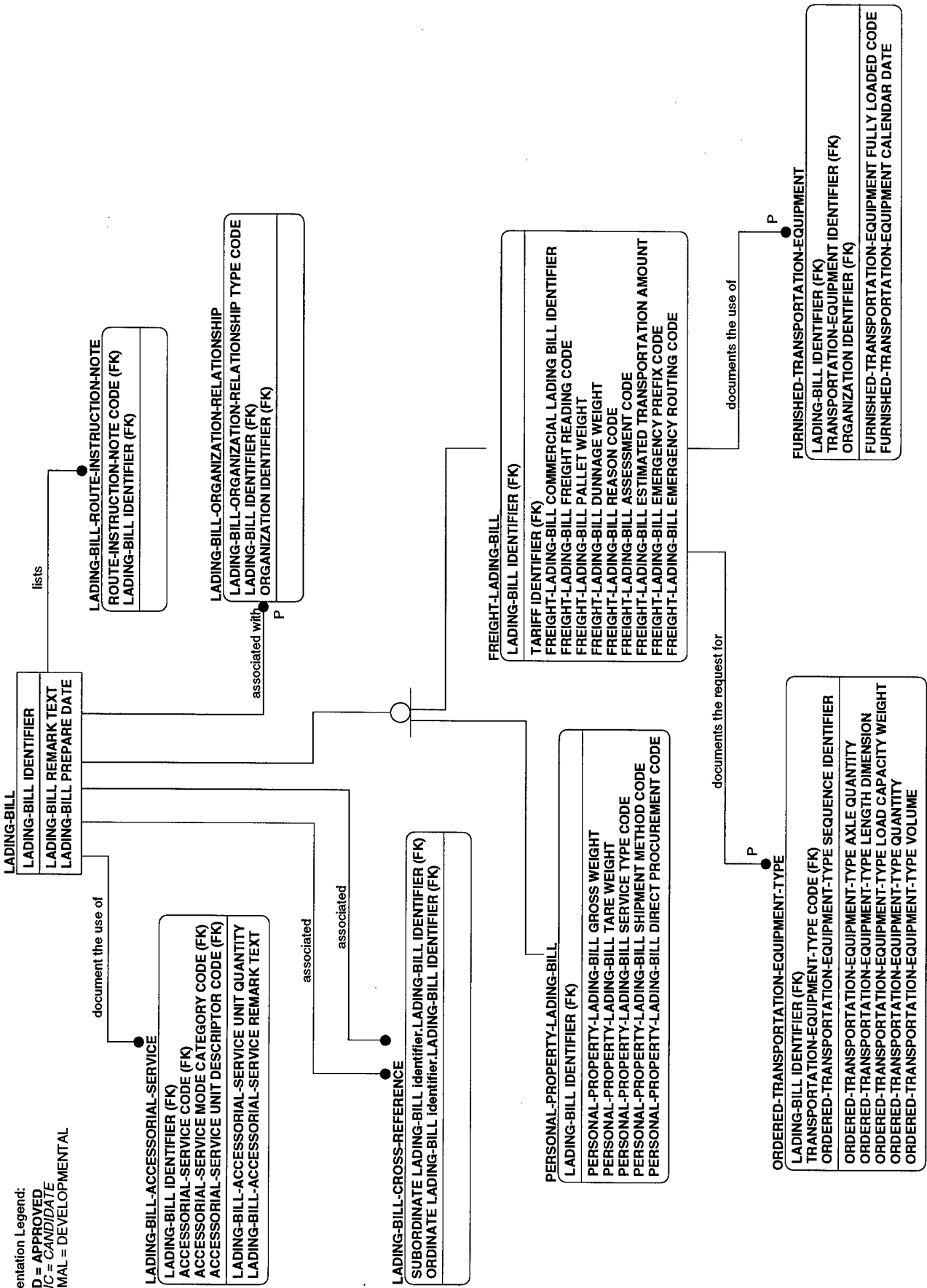
Section 3.20 Transportation Subject Area

Purpose: The TRANSPORTATION Subject Area View includes the data necessary for managing the movement of personnel, equipment, and supplies for DoD missions.

Note: The following subsections contain the View data maps which comprise this Subject Area. Every data requirement within this Subject Area will be represented in at least one of the Views. The View data maps are in numeric order.

TR-01

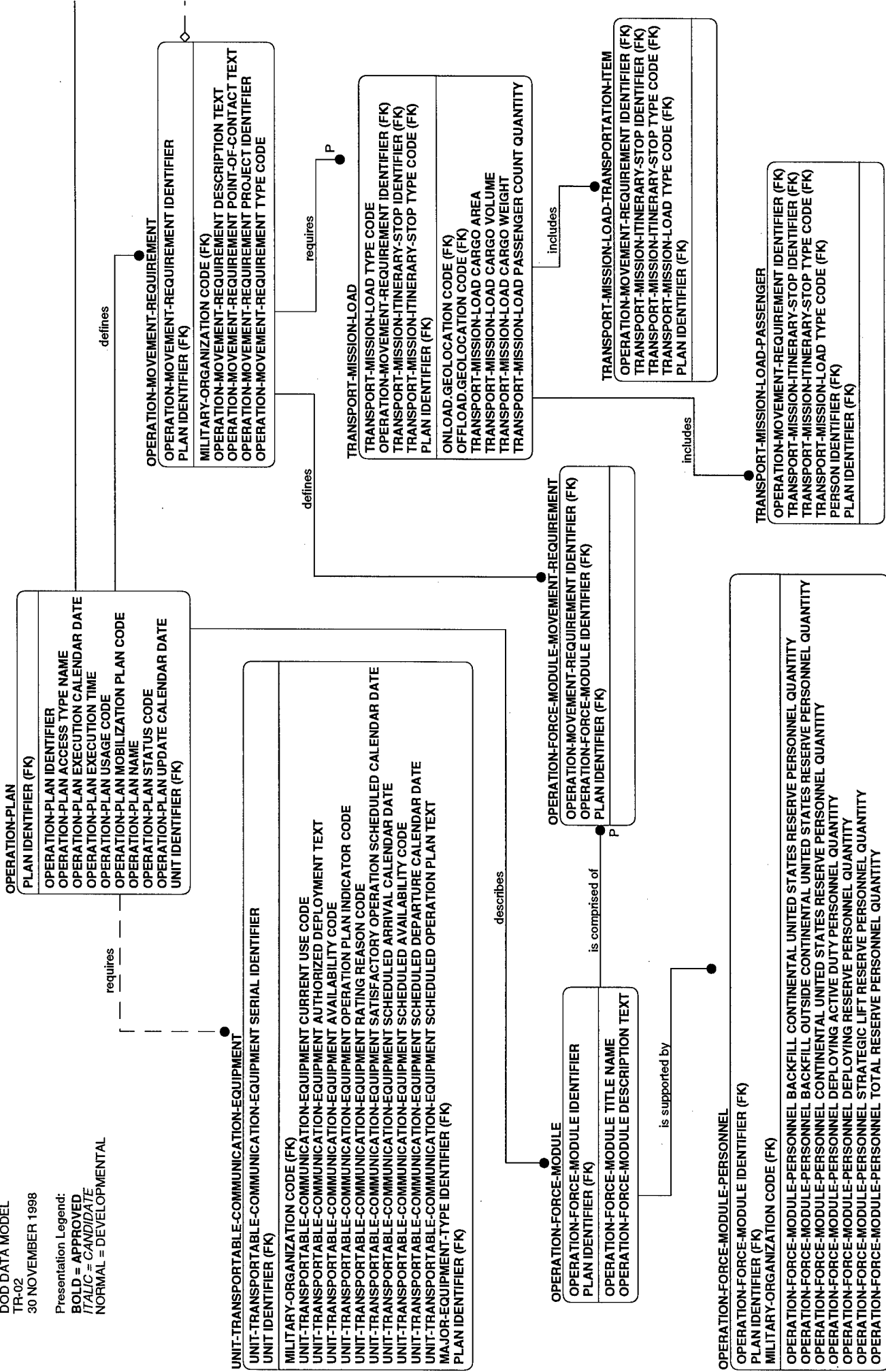
Presentation Legend:
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ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL

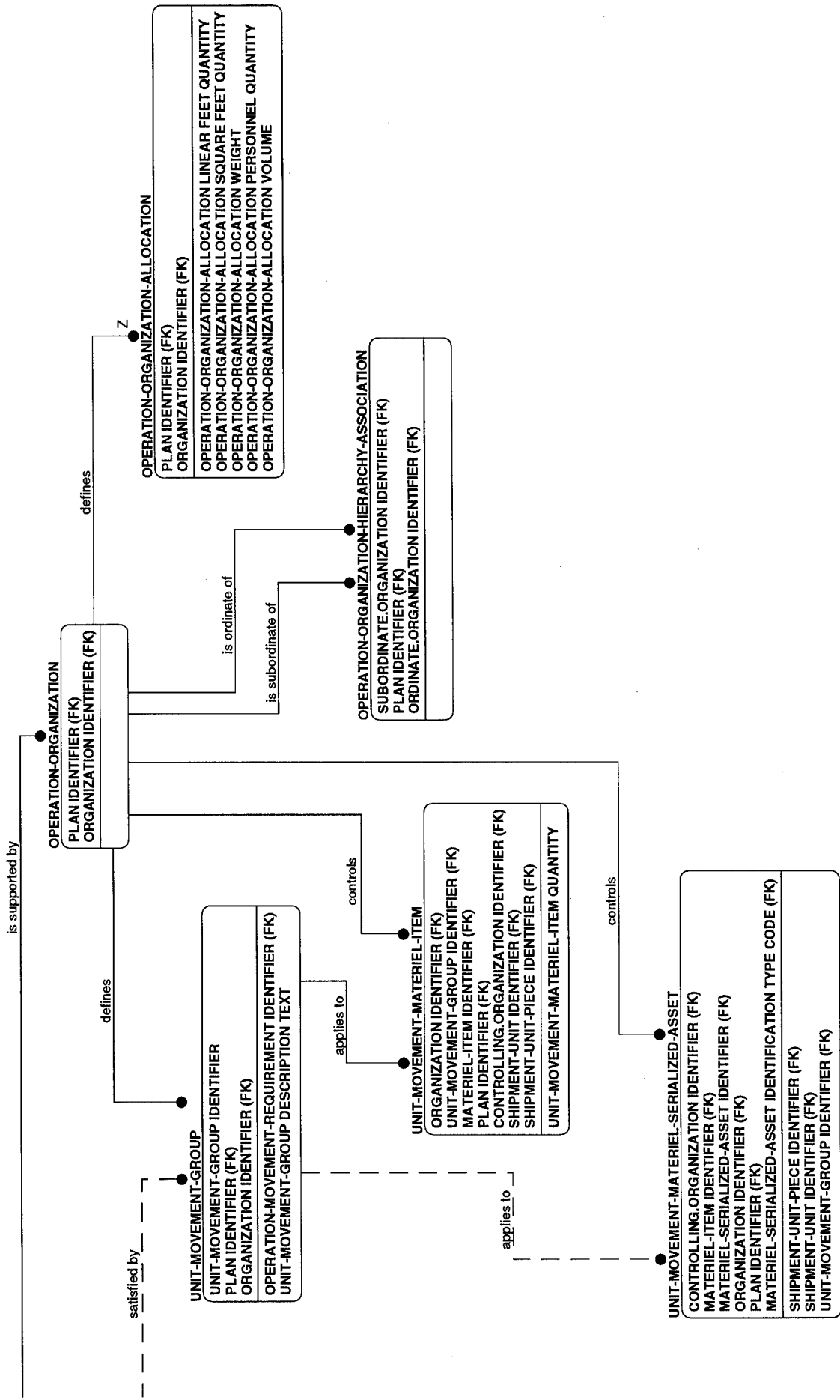


TR-02

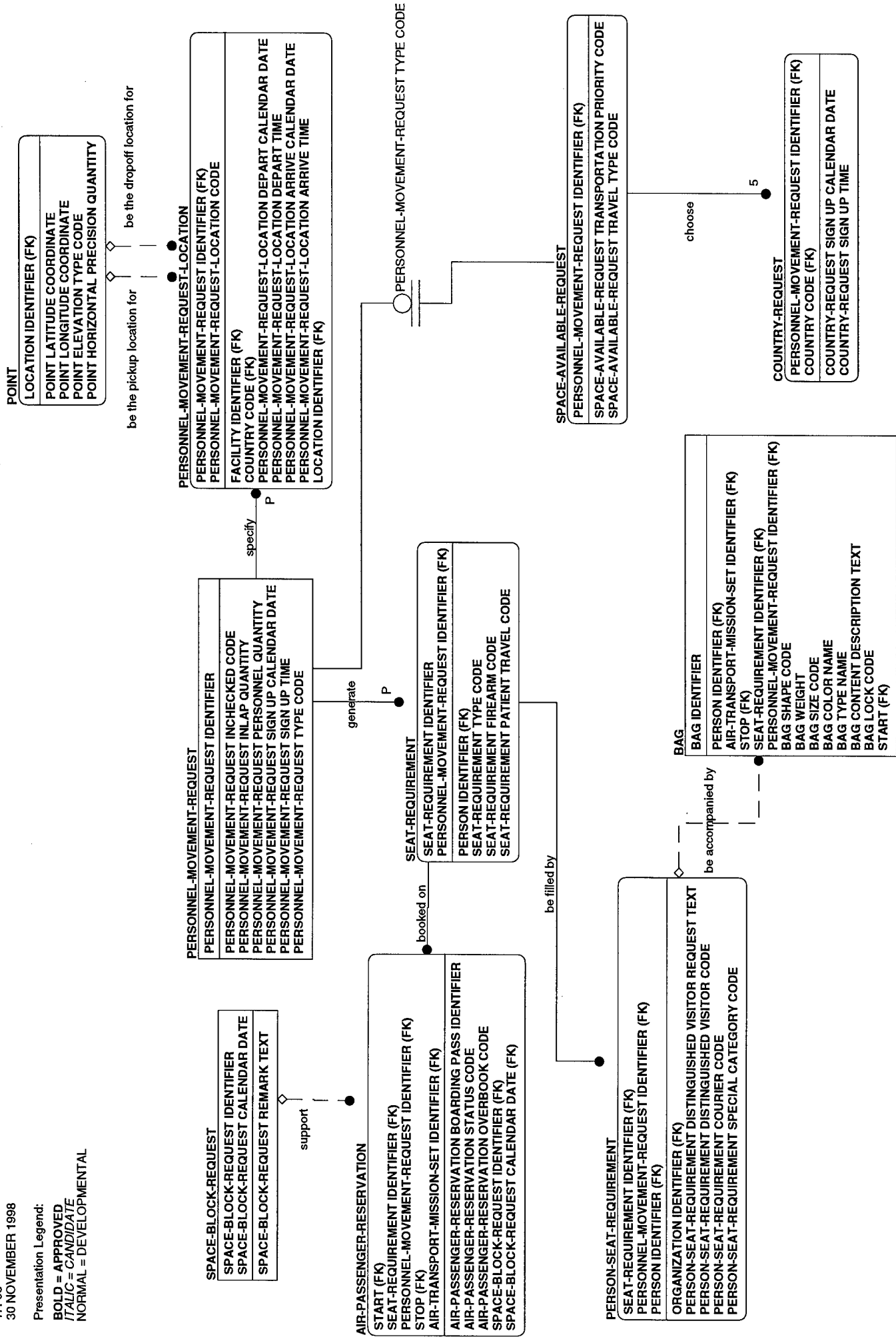
DOD DATA MODEL
TR-02
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL





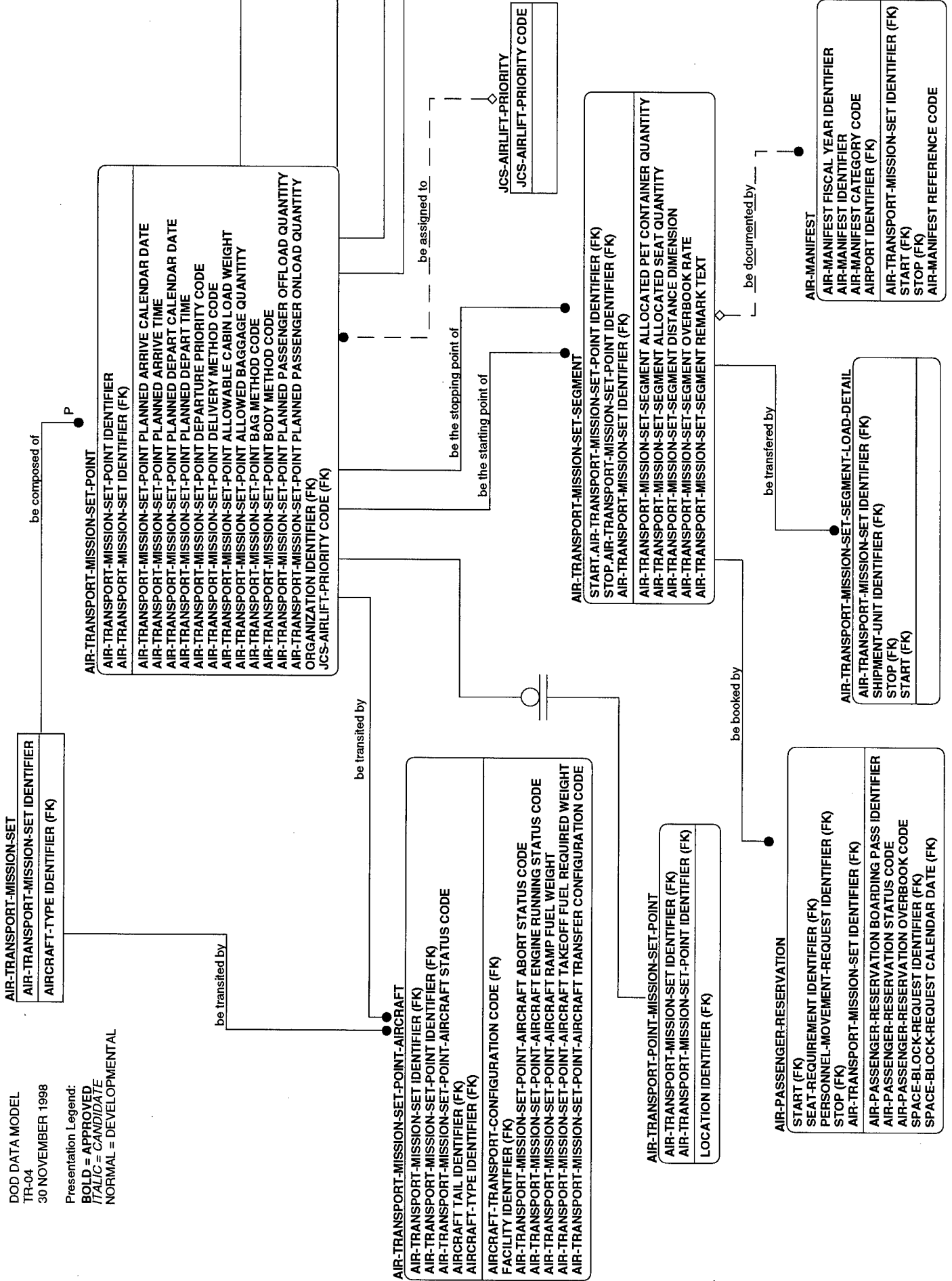
TR-03

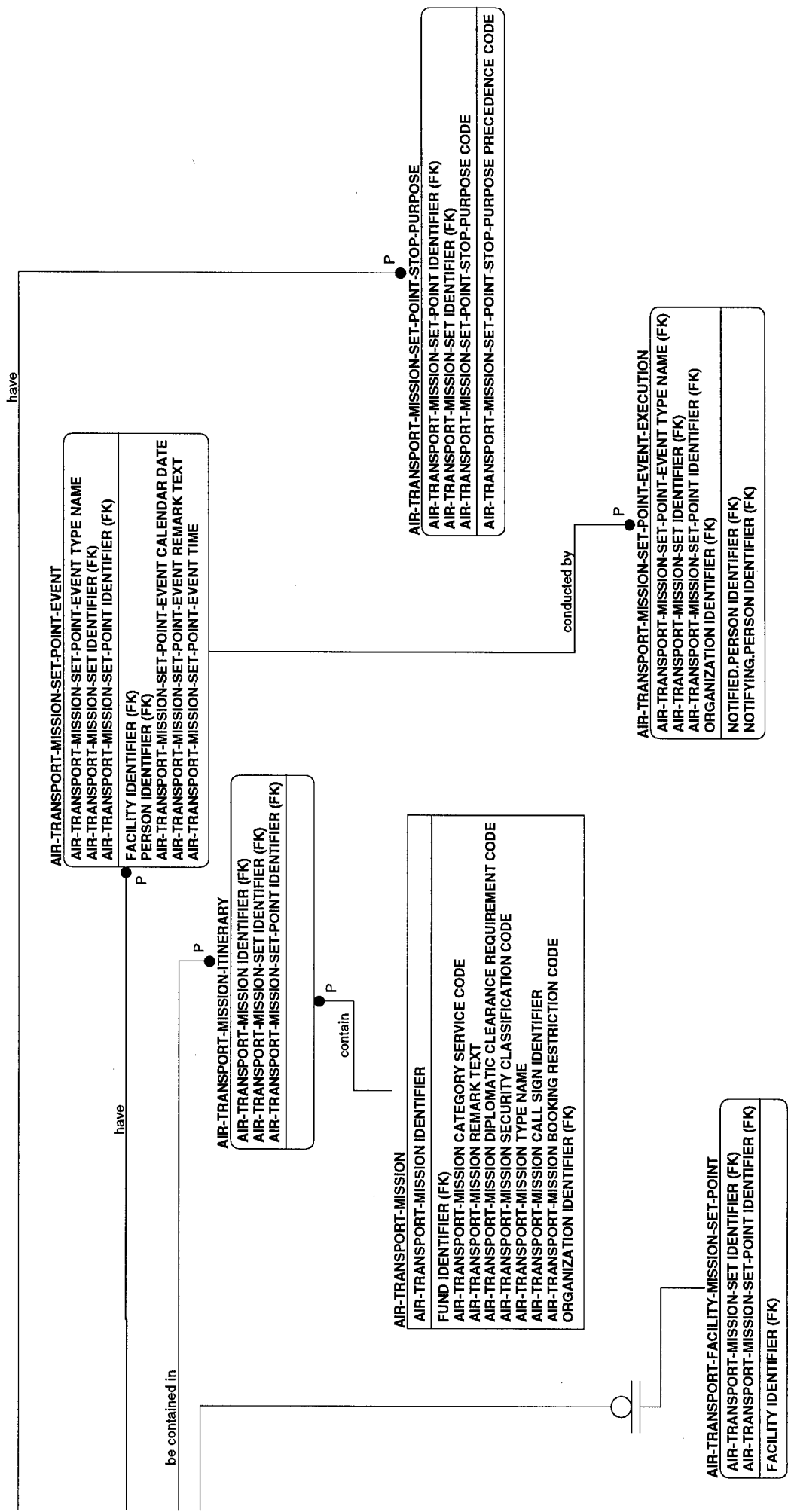


TR-04

DOD DATA MODEL
TR-04
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL

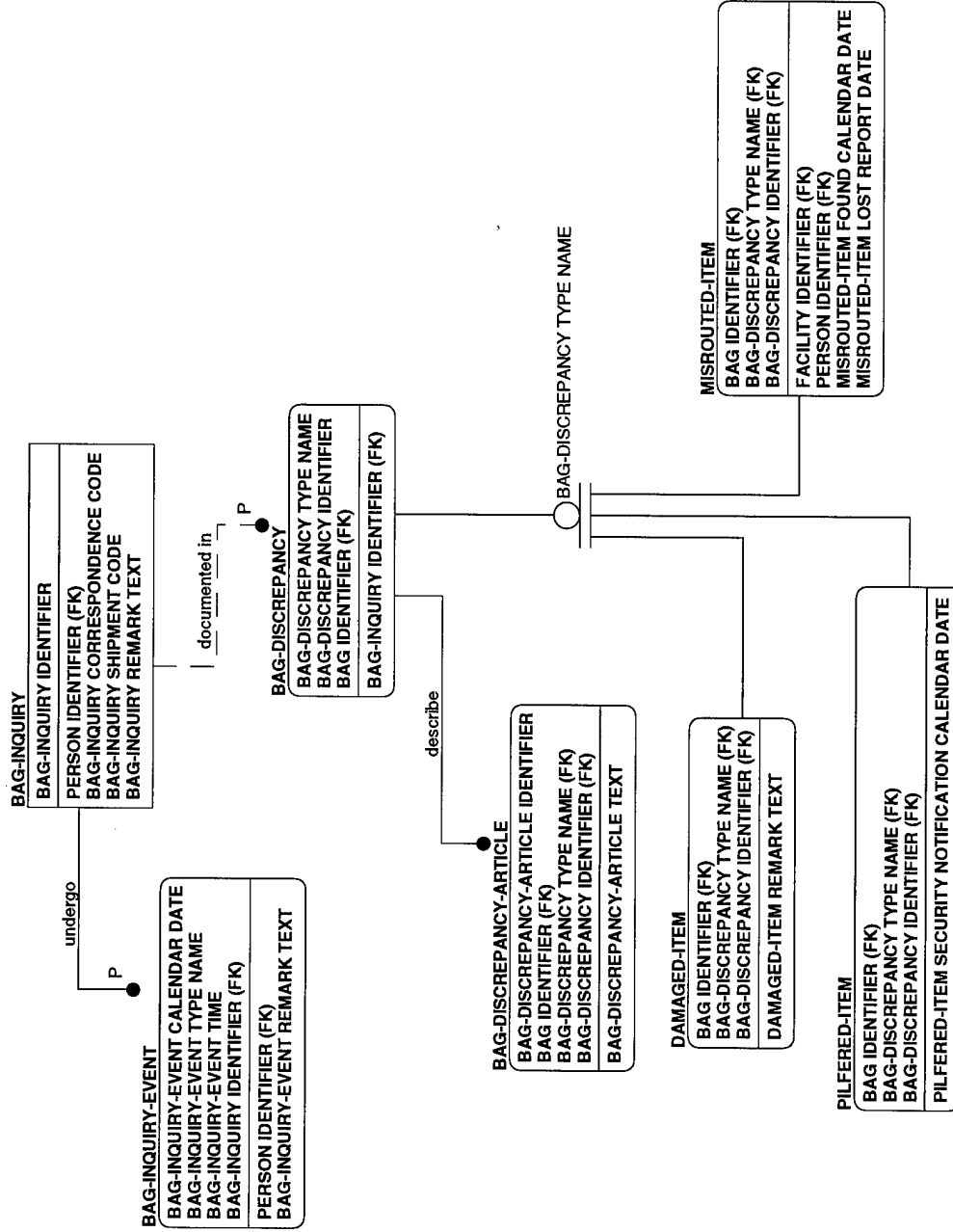




TR-05

DOD DATA MODEL
 TR-05
 30 NOVEMBER 1998

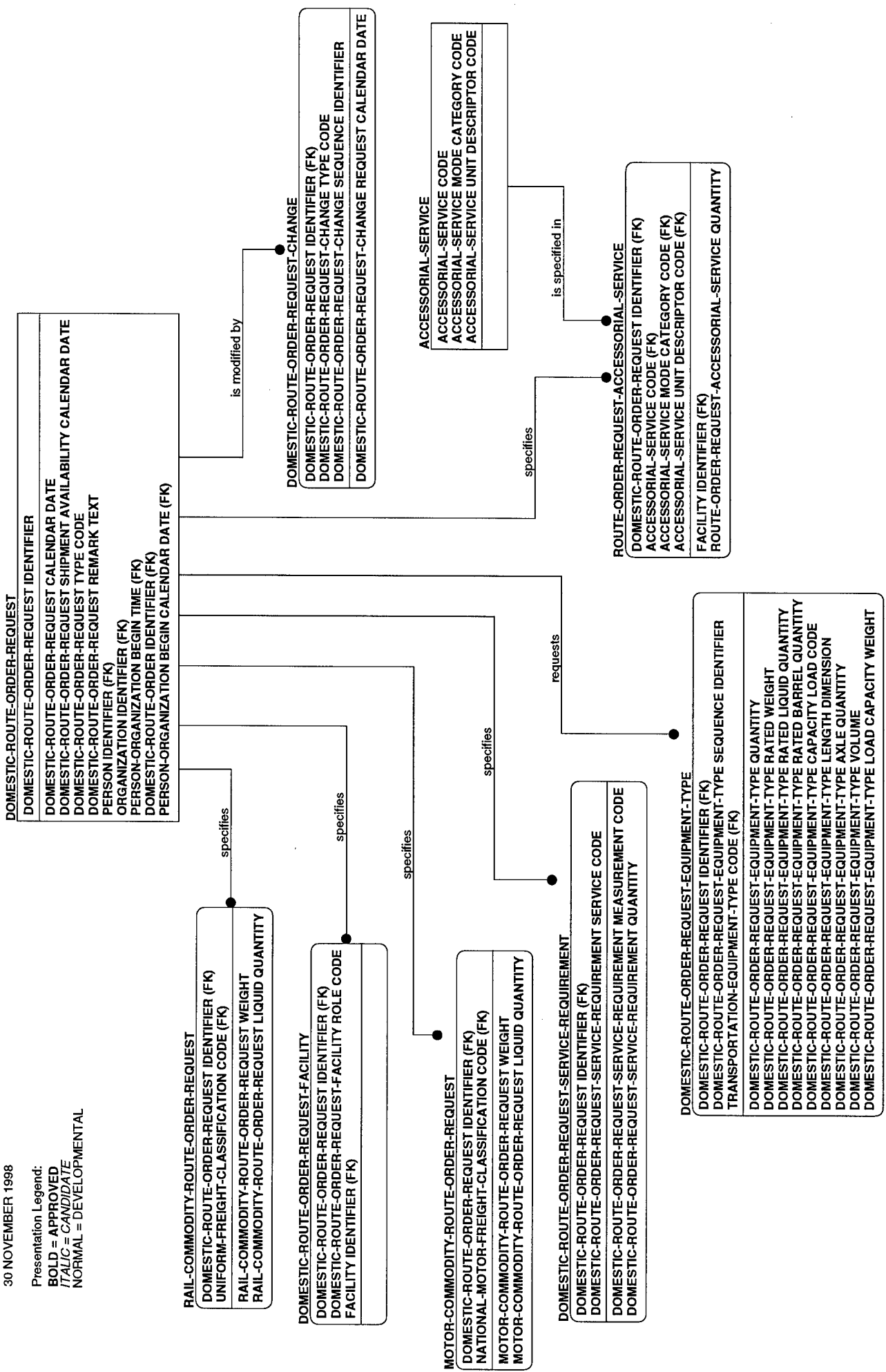
Presentation Legend:
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ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TR-06

DOD DATA MODEL
TR-06
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



TR-07

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL

VOYAGE-ITINERARY-SEGMENT

OFFLOAD,(VOYAGE IDENTIFIER,VOYAGE-ITINERARY-POINT SCHEDULE CODE,VOYAGE YEAR IDENTIFIER,VOYAGE-ITINERARY-POINT REFERENCE IDENTIFIER,SHIP IDENTIFIER) (FK)
ONLOAD,(VOYAGE IDENTIFIER,VOYAGE-ITINERARY-POINT SCHEDULE CODE,VOYAGE-ITINERARY-POINT REFERENCE IDENTIFIER,VOYAGE YEAR IDENTIFIER,SHIP IDENTIFIER) (FK)
DISCHARGE PAYING,ORGANIZATION IDENTIFIER (FK)
PORT COST PAYING,ORGANIZATION IDENTIFIER (FK)
VOYAGE-ITINERARY-SEGMENT MTMC DOCUMENT IDENTIFIER
VOYAGE-ITINERARY-SEGMENT MANIFEST RECEIPT CODE
VOYAGE-ITINERARY-SEGMENT MANIFEST TRANSMISSION METHOD TYPE NAME

EXPORT-TRAFFIC-RELEASE-REQUEST
EXPORT-TRAFFIC-RELEASE-REQUEST CREATION CALENDAR DATE
EXPORT-TRAFFIC-RELEASE-REQUEST CREATION TIME
ORGANIZATION IDENTIFIER (FK)
EXPORT-TRAFFIC-RELEASE-REQUEST LADING TERM CODE
EXPORT-TRAFFIC-RELEASE-REQUEST TYPE CODE
EXPORT-TRAFFIC-RELEASE-REQUEST SERVICE CODE
PERSON-ORGANIZATION BEGIN TIME (FK)
PERSON-ORGANIZATION BEGIN CALENDAR DATE (FK)
PERSON IDENTIFIER (FK)

TARIFF

TARIFF IDENTIFIER
ORGANIZATION IDENTIFIER (FK)

may regulate

books

is submitted for

EXPORT-TRAFFIC-RELEASE
EXPORT-TRAFFIC-RELEASE IDENTIFIER
ORGANIZATION IDENTIFIER (FK)
ONLOAD (FK)
OFFLOAD (FK)
TARIFF IDENTIFIER (FK)
EXPORT-TRAFFIC-RELEASE REMARK TEXT
EXPORT-TRAFFIC-RELEASE CALENDAR DATE
EXPORT-TRAFFIC-RELEASE TIME
EXPORT-TRAFFIC-RELEASE LIGHTERAGE CODE
EXPORT-TRAFFIC-RELEASE EMERGENCY PREFIX CODE
EXPORT-TRAFFIC-RELEASE DELAY CODE
EXPORT-TRAFFIC-RELEASE CANCELLATION CODE
EXPORT-TRAFFIC-RELEASE-REQUEST CREATION CALENDAR DATE (FK)
EXPORT-TRAFFIC-RELEASE-REQUEST CREATION TIME (FK)

RAIL-COMMODITY-EXPORT-REQUEST

UNIFORM-FREIGHT-CLASSIFICATION CODE (FK)
EXPORT-TRAFFIC-RELEASE-REQUEST CREATION CALENDAR DATE (FK)
EXPORT-TRAFFIC-RELEASE-REQUEST CREATION TIME (FK)
ORGANIZATION IDENTIFIER (FK)
RAIL-COMMODITY-EXPORT-REQUEST LIQUID QUANTITY
RAIL-COMMODITY-EXPORT-REQUEST WEIGHT

specifies

includes

offers

specifies

EXPORT-TRAFFIC-RELEASE-ROUTE-INSTRUCTION-NOTE
EXPORT-TRAFFIC-RELEASE IDENTIFIER (FK)
ROUTE-INSTRUCTION-NOTE CODE (FK)
EXPORT-TRAFFIC-RELEASE-ROUTE-INSTRUCTION-NOTE REMARK TEXT

EXPORT-TRAFFIC-RELEASE-ORDERED-EQUIPMENT-TYPE

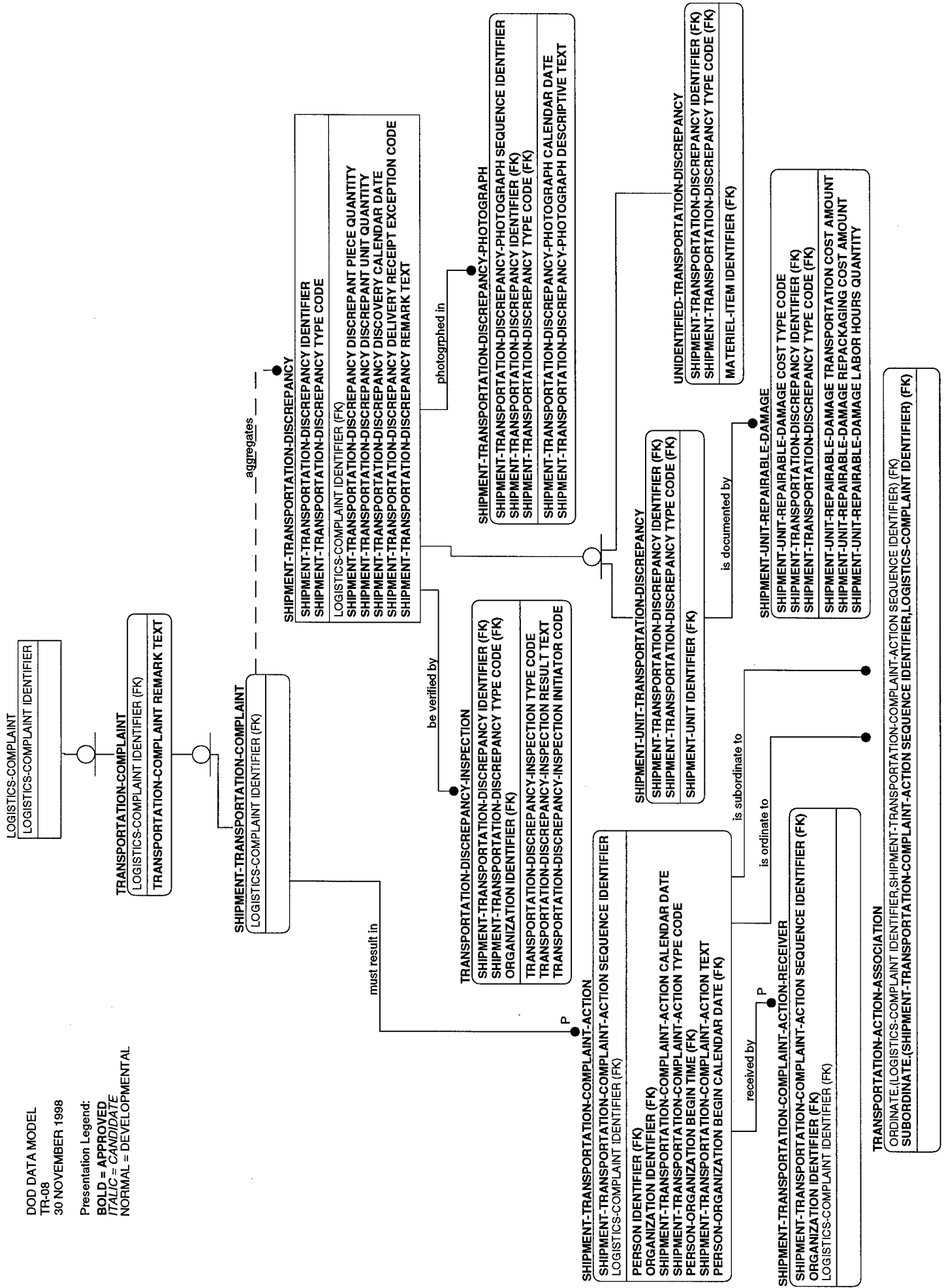
EXPORT-TRAFFIC-RELEASE IDENTIFIER (FK)
EXPORT-TRAFFIC-RELEASE-ORDERED-EQUIPMENT-TYPE SEQUENCE IDENTIFIER
TRANSPORTATION-EQUIPMENT-TYPE CODE (FK)
EXPORT-TRAFFIC-RELEASE-ORDERED-EQUIPMENT-TYPE QUANTITY
EXPORT-TRAFFIC-RELEASE-ORDERED-EQUIPMENT-TYPE LENGTH DIMENSION
EXPORT-TRAFFIC-RELEASE-ORDERED-EQUIPMENT-TYPE LOAD CAPACITY WEIGHT
EXPORT-TRAFFIC-RELEASE-ORDERED-EQUIPMENT-TYPE AXLE QUANTITY
EXPORT-TRAFFIC-RELEASE-ORDERED-EQUIPMENT-TYPE VOLUME

EXPORT-TRAFFIC-RELEASE-DOMESTIC-ROUTING
TENDER IDENTIFIER (FK)
EXPORT-TRAFFIC-RELEASE IDENTIFIER (FK)
TENDER SUPPLEMENT IDENTIFIER (FK)
ORGANIZATION IDENTIFIER (FK)

TR-08

DOD DATA MODEL
 TR-08
 30 NOVEMBER 1988

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TR-09

DOD DATA MODEL
TR-09
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER
LOGISTICS-COMPLAINT IDENTIFIER (FK)
PERSON IDENTIFIER (FK)
ORGANIZATION IDENTIFIER (FK)
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION CALENDAR DATE
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION TYPE CODE
PERSON-ORGANIZATION BEGIN TIME (FK)
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION TEXT
PERSON-ORGANIZATION BEGIN CALENDAR DATE (FK)

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION TYPE CODE

TRANSPORTATION-INFORMATION-REQUEST
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
LOGISTICS-COMPLAINT IDENTIFIER (FK)

be referenced by

TRANSPORTATION-INFORMATION-RESPONSE
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
LOGISTICS-COMPLAINT IDENTIFIER (FK)
TRANSPORTATION-INFORMATION-RESPONSE RECEIVED DATE
REQUEST-FOR-INFORMATION.SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)

NON-RESPONSE-MESSAGE

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
LOGISTICS-COMPLAINT IDENTIFIER (FK)
REQUEST-FOR-INFORMATION.SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)

TRANSPORTATION-CLAIM-SUBMISSION

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
LOGISTICS-COMPLAINT IDENTIFIER (FK)
TRANSPORTATION-CLAIM-SUBMISSION TYPE CODE

is referenced by

TRANSPORTATION-CLAIM-SUBMISSION-RESPONSE
LOGISTICS-COMPLAINT IDENTIFIER (FK)
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
CLAIM-SUBMISSION.SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
TRANSPORTATION-CLAIM-SUBMISSION-RESPONSE REIMBURSEMENT AMOUNT

CARRIER-NOTIFICATION

SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
LOGISTICS-COMPLAINT IDENTIFIER (FK)
CARRIER-NOTIFICATION METHOD CODE

be referenced by

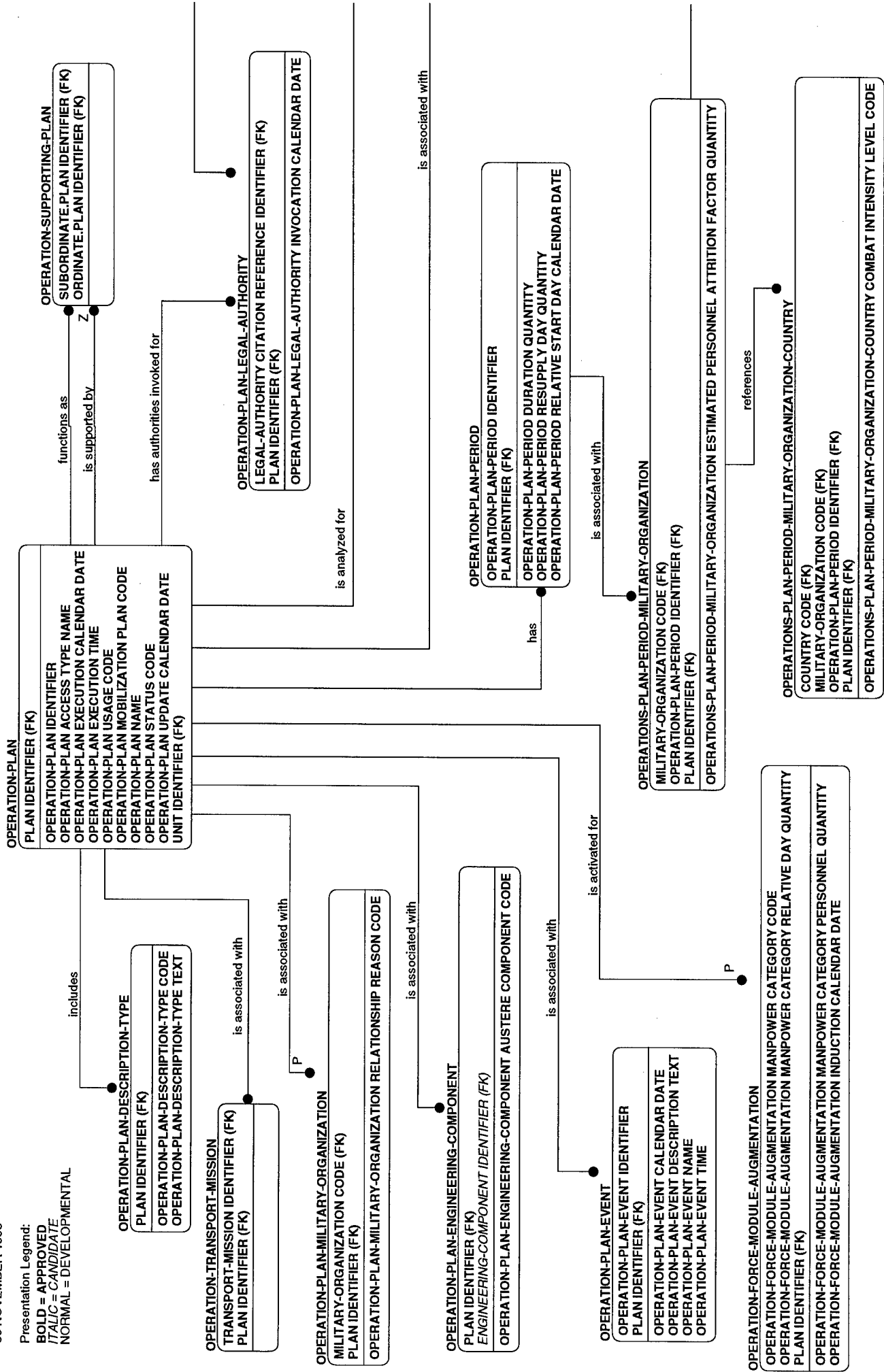
CARRIER-NOTIFICATION-RESPONSE

LOGISTICS-COMPLAINT IDENTIFIER (FK)
SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
CARRIER-NOTIFICATION.SHIPMENT-TRANSPORTATION-COMPLAINT-ACTION SEQUENCE IDENTIFIER (FK)
CARRIER-NOTIFICATION-RESPONSE CALENDAR DATE
CARRIER-NOTIFICATION-RESPONSE REPRESENTATIVE TEXT
CARRIER-NOTIFICATION-RESPONSE WAIVER CODE
CARRIER-NOTIFICATION-RESPONSE WAIVER TYPE CODE

TR-10

Presentation Legend:

BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



LEGAL-AUTHORITY
 LEGAL-AUTHORITY CITATION REFERENCE IDENTIFIER
 GUIDANCE IDENTIFIER (FK)
 LEGAL-AUTHORITY DESCRIPTION TEXT
 LEGAL-AUTHORITY DURATION TEXT
 LEGAL-AUTHORITY INVOCATION AUTHORITY TEXT
 LEGAL-AUTHORITY MOBILIZATION ACTIVITY NAME

is invoked for

OPERATION-PLAN-ENGINEERING-ANALYSIS
 OPERATION-PLAN-ENGINEERING-ANALYSIS IDENTIFIER
 PLAN IDENTIFIER (FK)
 OPERATION-PLAN-ENGINEERING-ANALYSIS END RELATIVE DAY QUANTITY
 OPERATION-PLAN-ENGINEERING-ANALYSIS START RELATIVE DAY QUANTITY
 OPERATION-PLAN-ENGINEERING-ANALYSIS REGION IDENTIFIER
 OPERATION-PLAN-ENGINEERING-ANALYSIS AUSTERE COMPONENT CODE
 OPERATION-PLAN-ENGINEERING-ANALYSIS CLIMATIC FACTOR CODE
 OPERATION-PLAN-ENGINEERING-ANALYSIS REGIONAL ENGINEER USE CODE
 OPERATION-PLAN-ENGINEERING-ANALYSIS WAR DAMAGE ASSESSMENT CODE

is analyzed for

OPERATION-PLAN-ENGINEERING-ANALYSIS-SOURCE-ASSESSMENT
 OPERATION-PLAN-ENGINEERING-ANALYSIS-SOURCE-ASSESSMENT FACILITY CODE
 OPERATION-PLAN-ENGINEERING-ANALYSIS IDENTIFIER (FK)
 PLAN IDENTIFIER (FK)
 OPERATION-PLAN-ENGINEERING-ANALYSIS-SOURCE-ASSESSMENT NECESSITY CODE

OPERATIONS-PLAN-MILITARY-ORGANIZATION-GEOLOCATION-ASSOCIATION
 SUBORDINATE GEOLOCATION CODE (FK)
 ordinate (FK)
 subordinate (FK)
 MILITARY-ORGANIZATION CODE (FK)
 GEOLOCATION CODE (FK)
 PLAN IDENTIFIER (FK)
 OPERATIONS-PLAN-MILITARY-ORGANIZATION-GEOLOCATION-ASSOCIATION REPLACEMENT PERSONNEL PERCENTAGE RATE

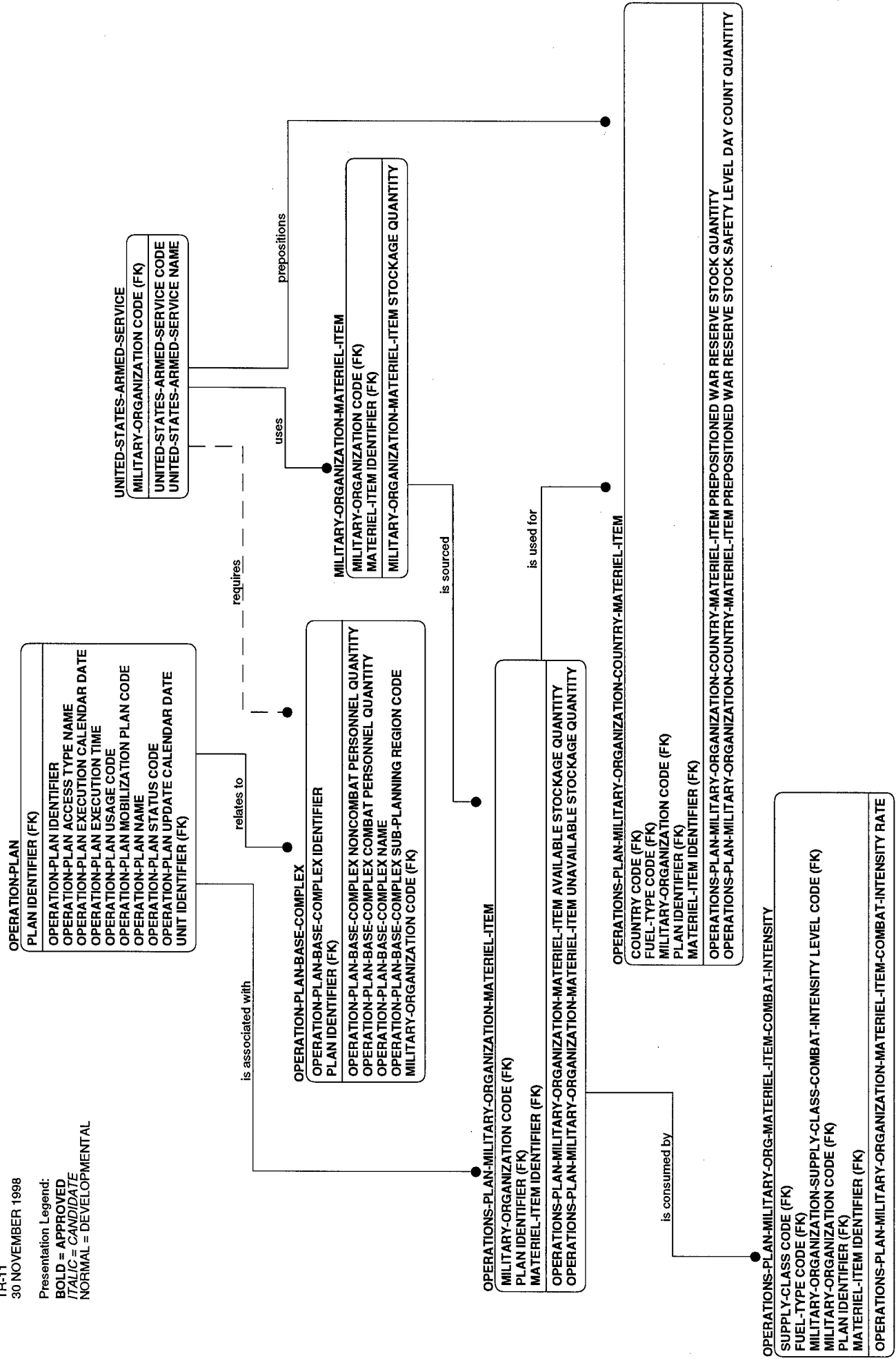
is associated with

OPERATIONS-PLAN-PERIOD-MILITARY-ORG-GEOLOCATION-ASSOCIATION
 GEOLOCATION CODE (FK)
 ordinate (FK)
 subordinate (FK)
 MILITARY-ORGANIZATION CODE (FK)
 OPERATION-PLAN-PERIOD IDENTIFIER (FK)
 PLAN IDENTIFIER (FK)
 OPERATIONS-PLAN-PERIOD-MILITARY-ORGANIZATION-GEOLOCATION-ASSOCIATION FREE WORLD MILITARY ASSISTANCE FORCE PERSONNEL QUANTITY

TR-11

DOD DATA MODEL
 TR-11
 30 NOVEMBER 1998

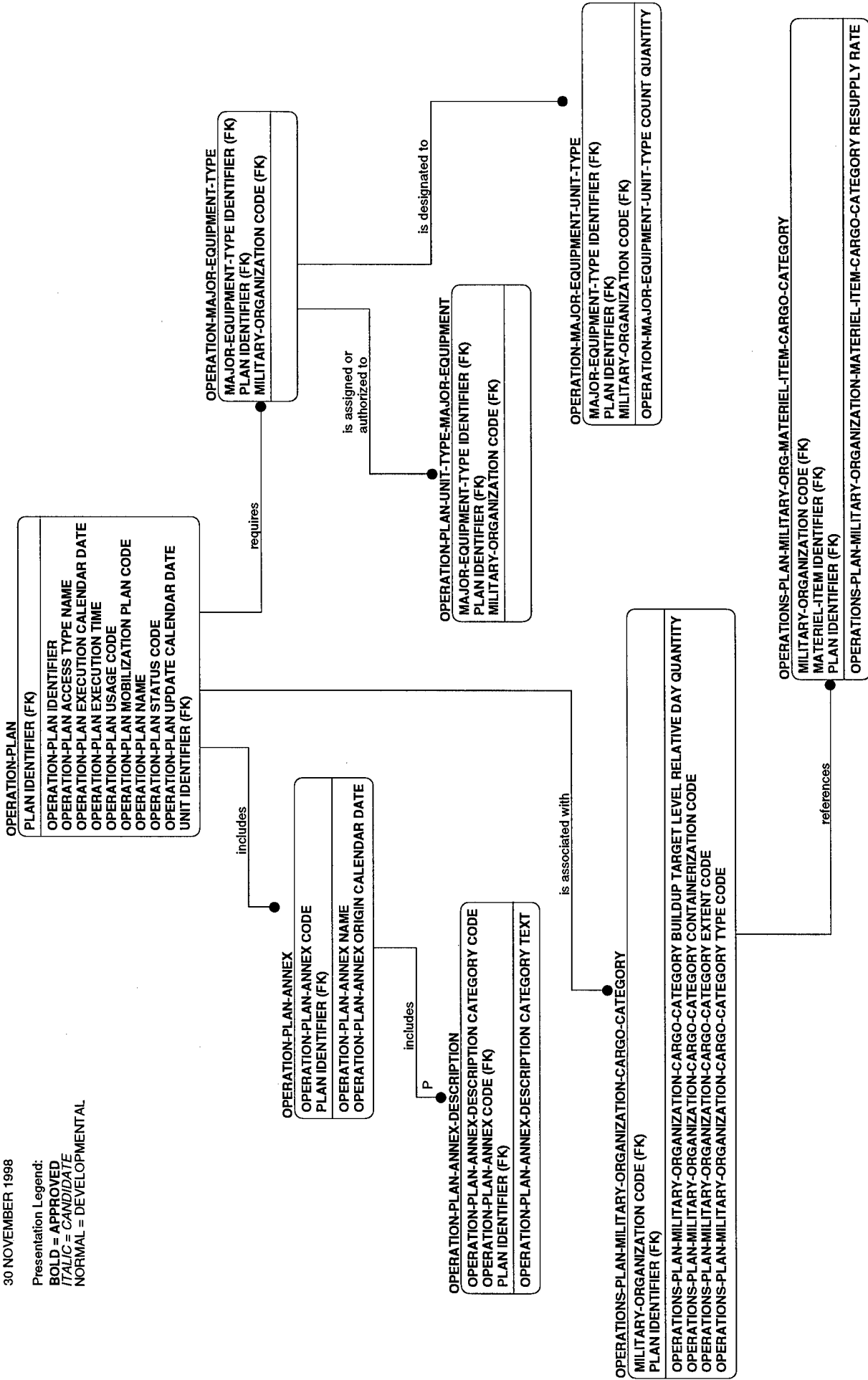
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TR-12

DOD DATA MODEL
 TR-12
 30 NOVEMBER 1998

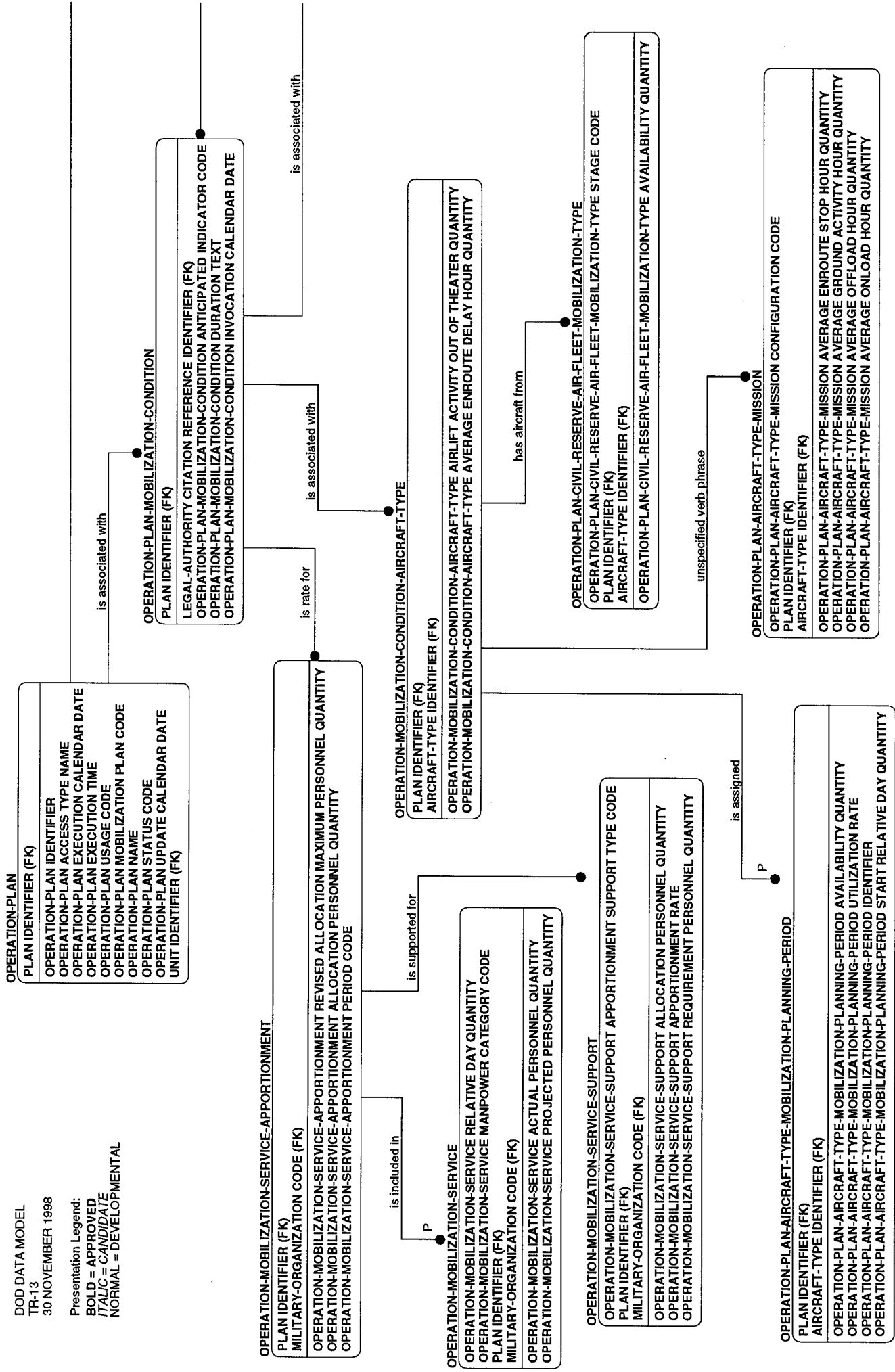
Presentation Legend:
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ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL

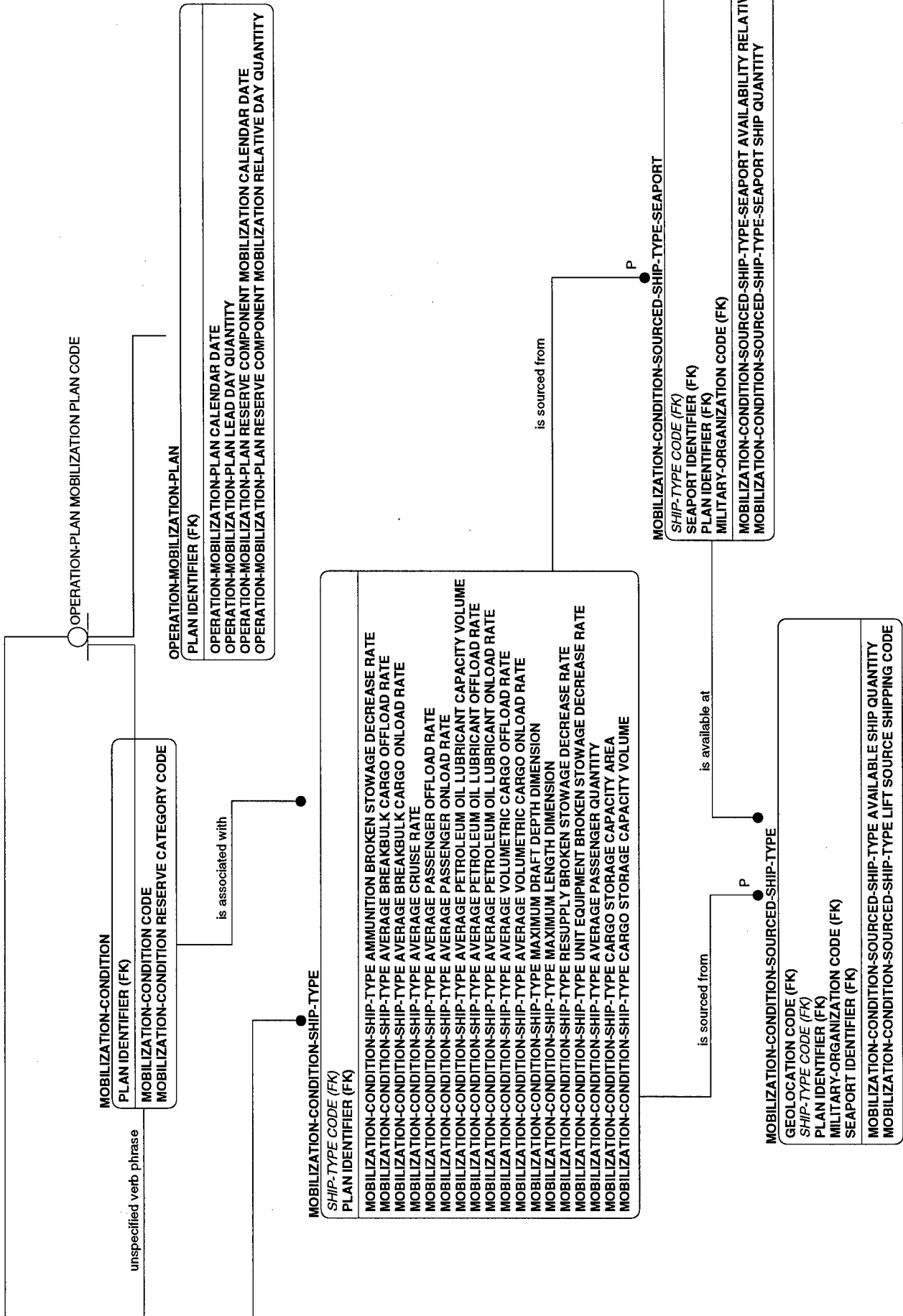


TR-13

DOD DATA MODEL
TR-13
30 NOVEMBER 1998

Presentation Legend:
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ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL

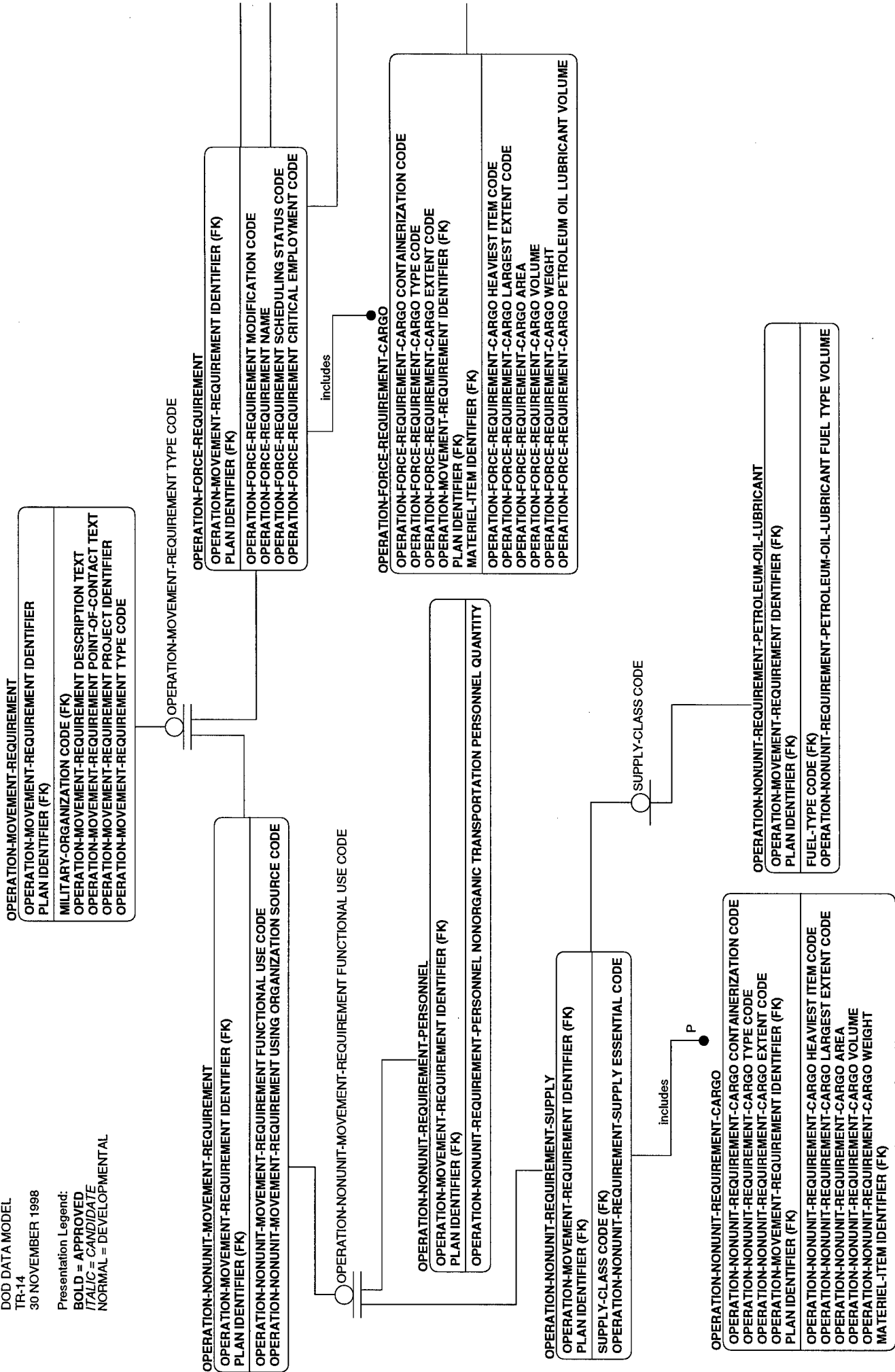




TR-14

DOD DATA MODEL
TR-14
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



OPERATION-FORCE-REQUIREMENT-ASSOCIATION

ORDINATE.OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
 SUBORDINATE.OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
 PLAN IDENTIFIER (FK)

is parent of

is child of

OPERATION-FORCE-REQUIREMENT-CARGO-TYPE-ITEM

OPERATION-FORCE-REQUIREMENT-CARGO-TYPE-ITEM NAME
 OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
 OPERATION-FORCE-REQUIREMENT-CARGO CONTAINERIZATION CODE (FK)
 MATERIEL-ITEM IDENTIFIER (FK)
 OPERATION-FORCE-REQUIREMENT-CARGO TYPE CODE (FK)
 OPERATION-FORCE-REQUIREMENT-CARGO EXTENT CODE (FK)
 PLAN IDENTIFIER (FK)
 EQUIPMENT-TYPE IDENTIFIER (FK)
 OPERATION-FORCE-REQUIREMENT-CARGO-TYPE-ITEM QUANTITY

includes

OPERATION-PLAN-UNIT

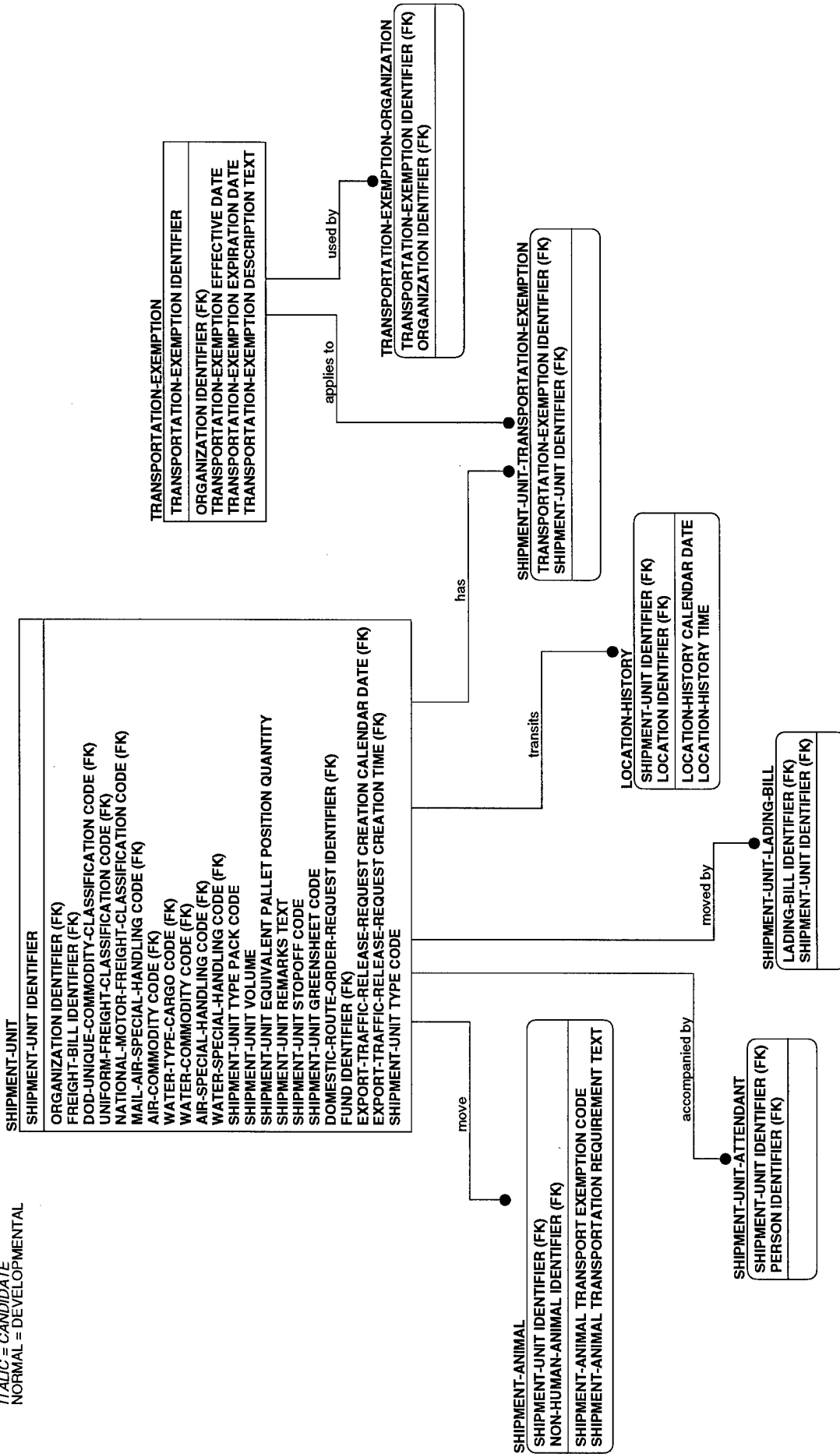
OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
 PLAN IDENTIFIER (FK)
 UNIT IDENTIFIER (FK)
 OPERATION-PLAN-UNIT DIRECTED DEPLOYABILITY POSTURE CODE
 OPERATION-PLAN-UNIT DIRECTED DEPLOYABILITY POSTURE CALENDAR DATE
 OPERATION-PLAN-UNIT DIRECTED DEPLOYABILITY POSTURE TIME
 OPERATION-PLAN-UNIT LOADED DEPLOYABILITY POSTURE RELATIVE DAY QUANTITY
 OPERATION-PLAN-UNIT STATUS CODE

OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM

MATERIEL-ITEM IDENTIFIER (FK)
 OPERATION-MOVEMENT-REQUIREMENT IDENTIFIER (FK)
 OPERATION-FORCE-REQUIREMENT-CARGO CONTAINERIZATION CODE (FK)
 OPERATION-FORCE-REQUIREMENT-CARGO TYPE CODE (FK)
 OPERATION-FORCE-REQUIREMENT-CARGO EXTENT CODE (FK)
 PLAN IDENTIFIER (FK)
 OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM EQUIPMENT HAZARDOUS MATERIAL CODE
 OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM EQUIVALENT NET EXPLOSIVE WEIGHT
 OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM HEIGHT DIMENSION
 OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM LENGTH DIMENSION
 OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM REQUIRED AREA
 OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM VOLUME
 OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM WIDTH DIMENSION
 OPERATION-FORCE-REQUIREMENT-CARGO-NONSTANDARD-ITEM WEIGHT

TR-15

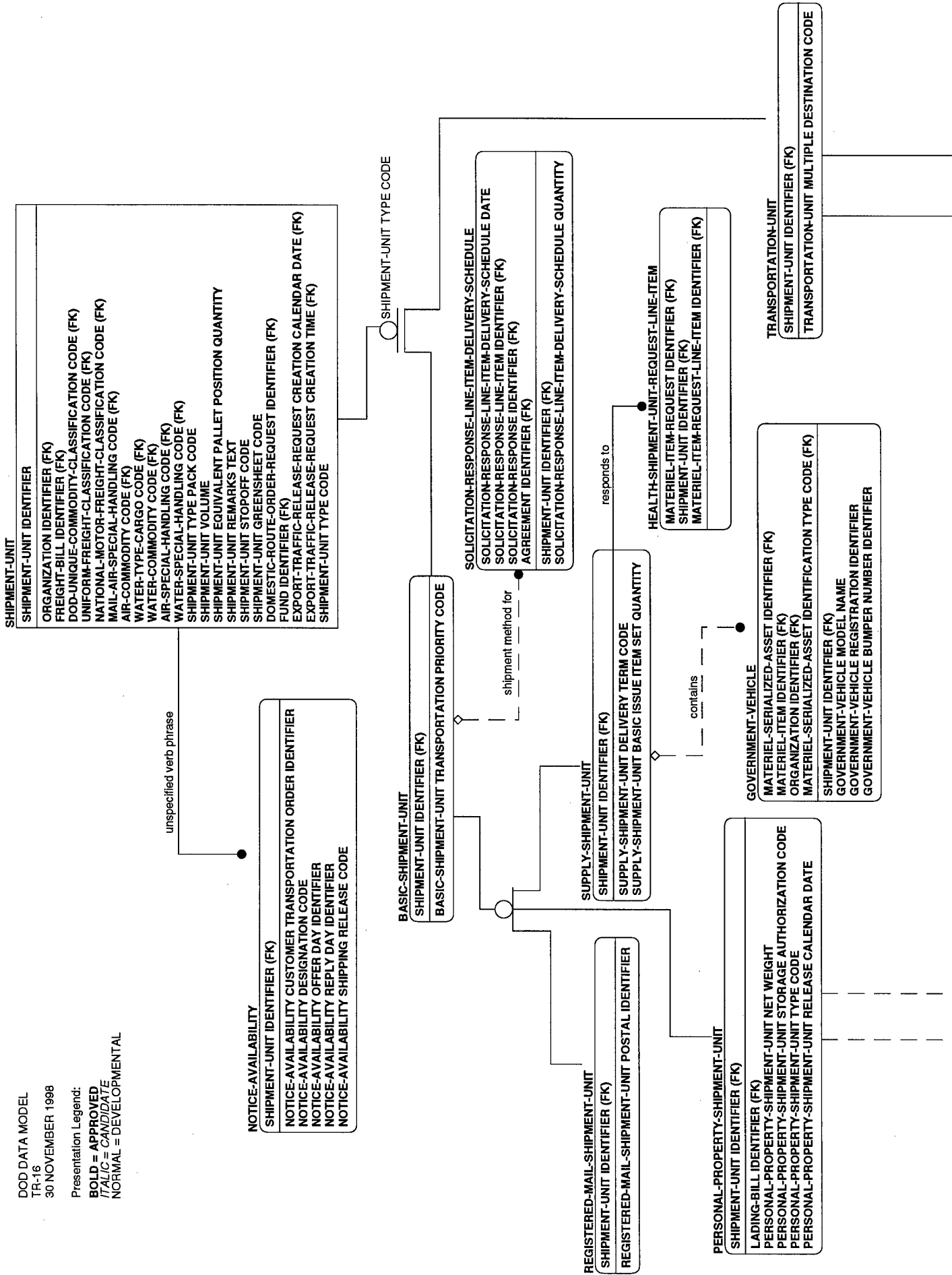
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL

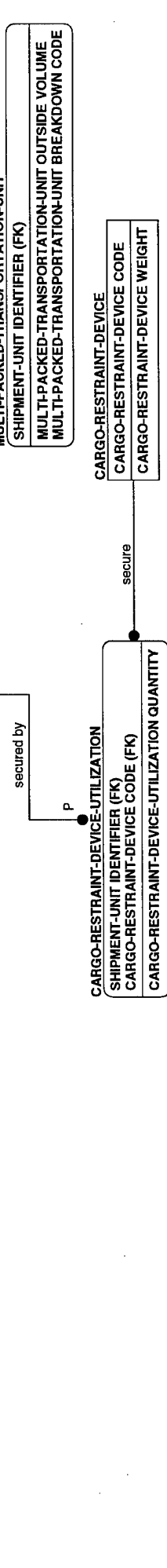
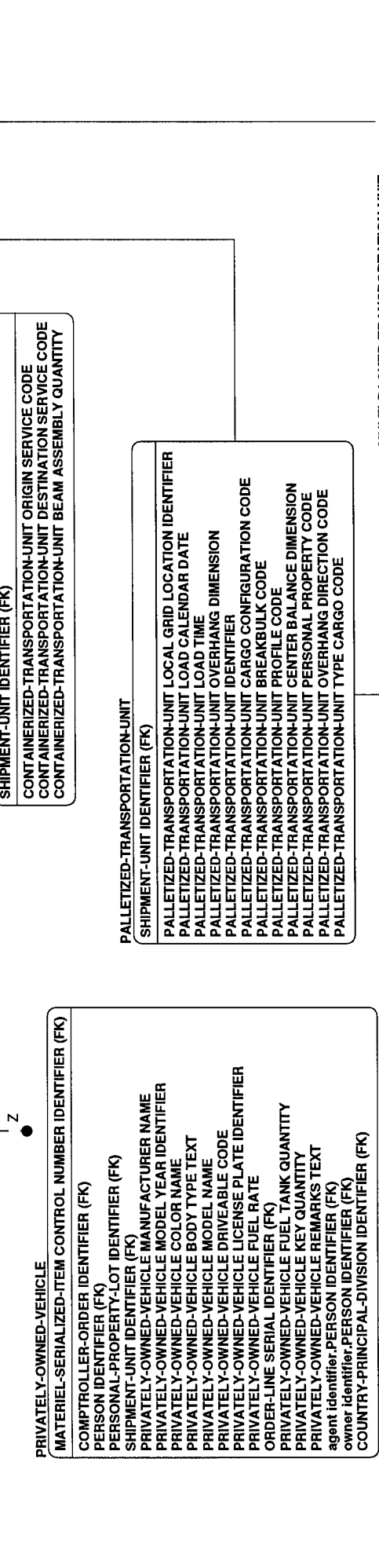
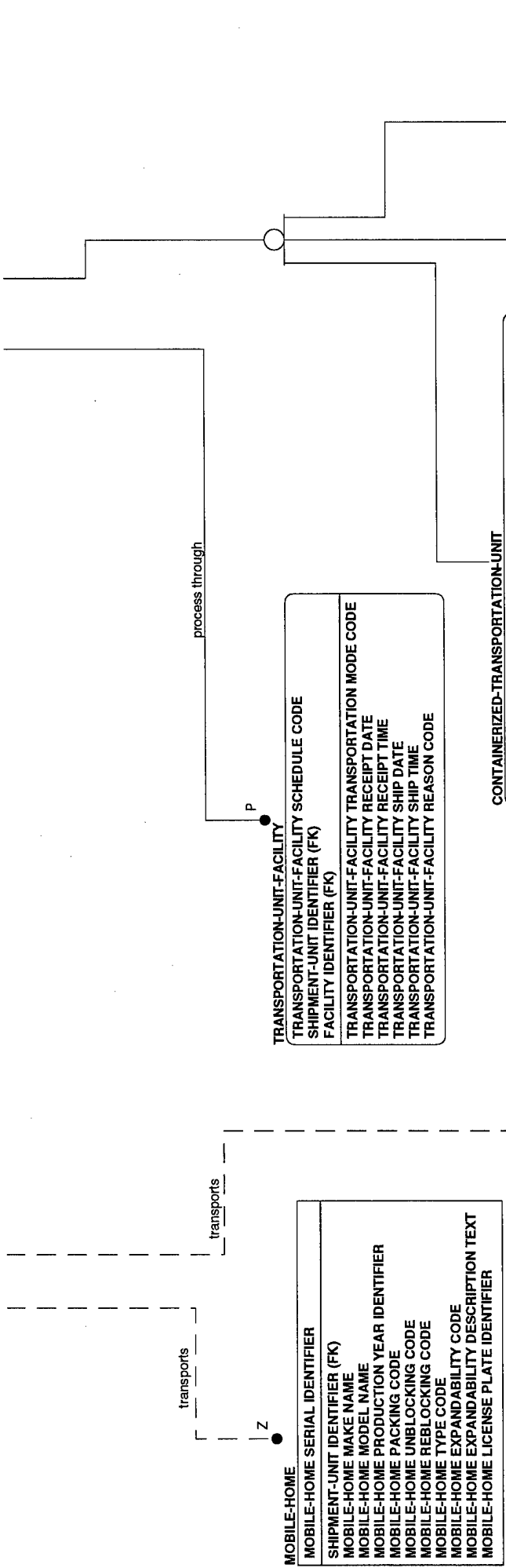


TR-16

DOD DATA MODEL
TR-16
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL

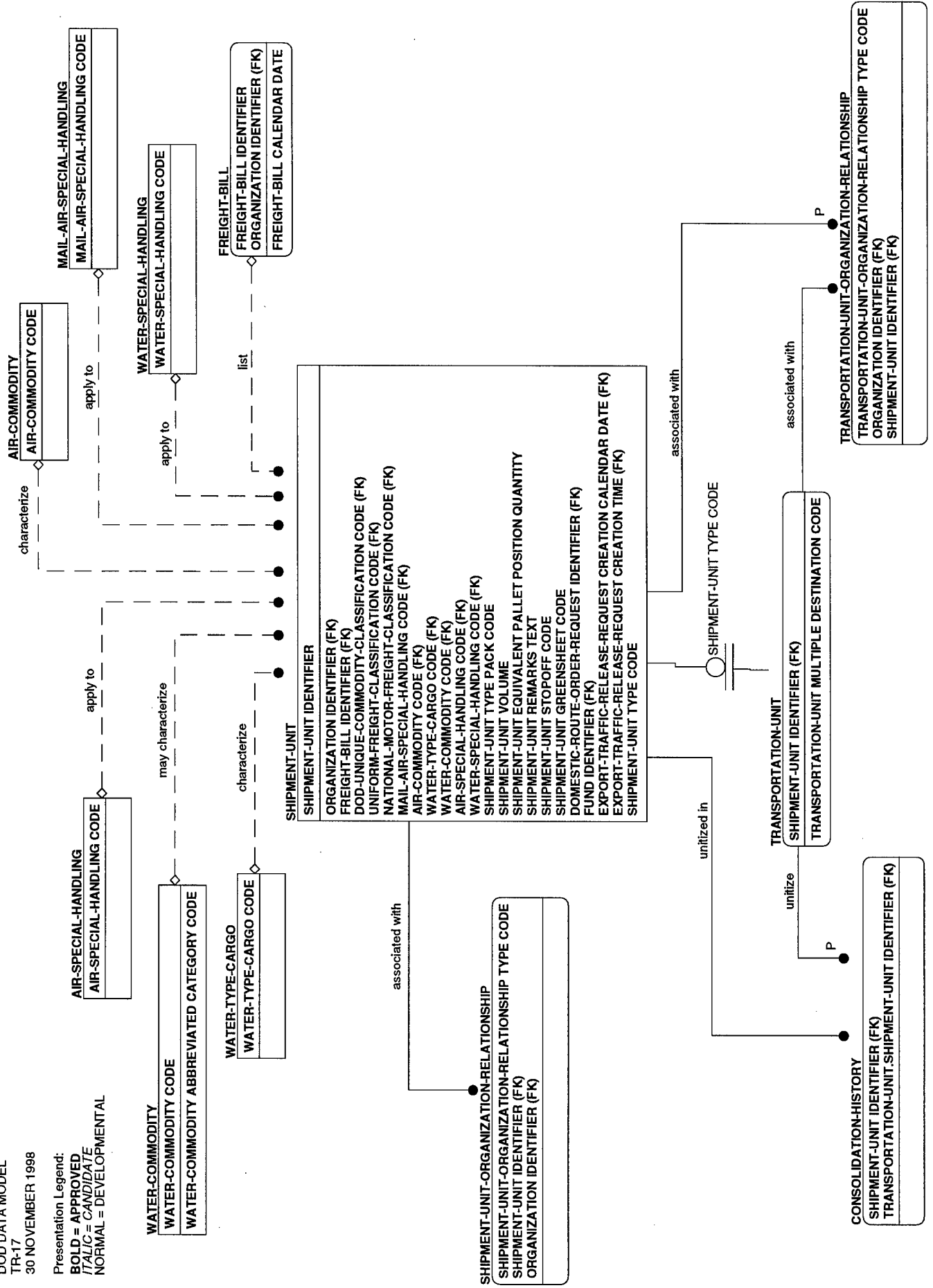




TR-17

DOD DATA MODEL
 TR-17
 30 NOVEMBER 1998

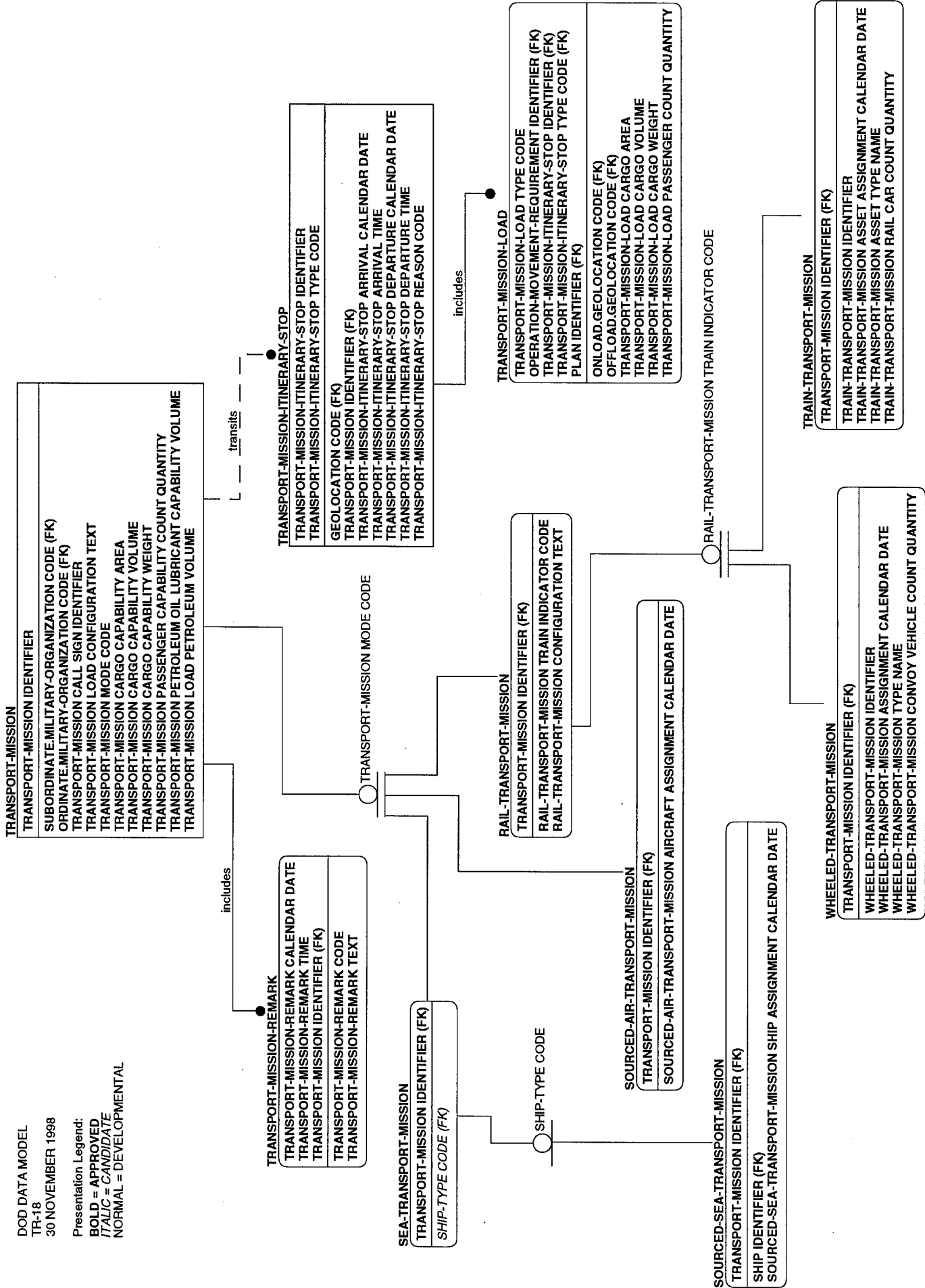
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TR-18

DOD DATA MODEL
TR-18
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL

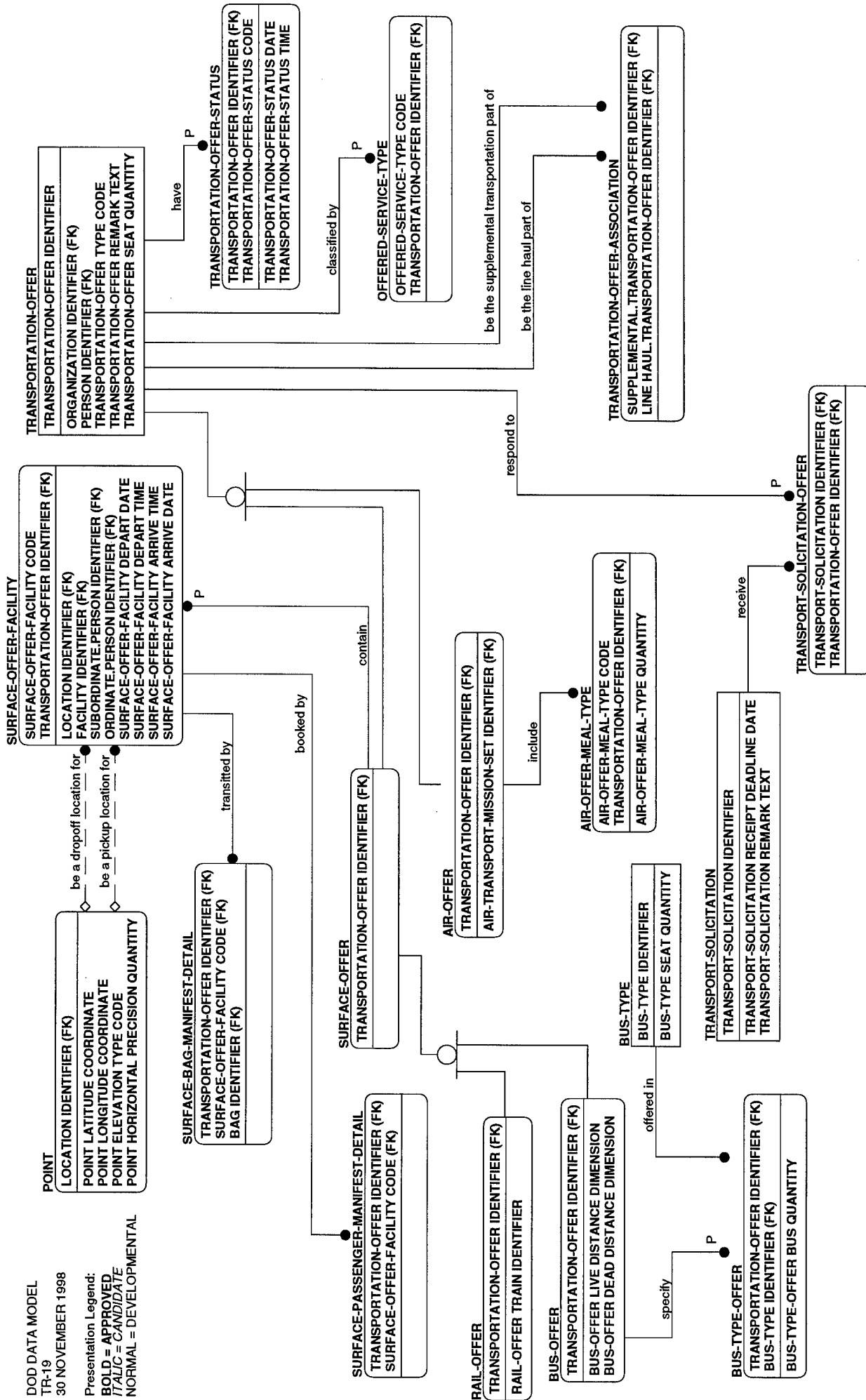


TR-19

DOD DATA MODEL

TR-19
30 NOVEMBER 1998

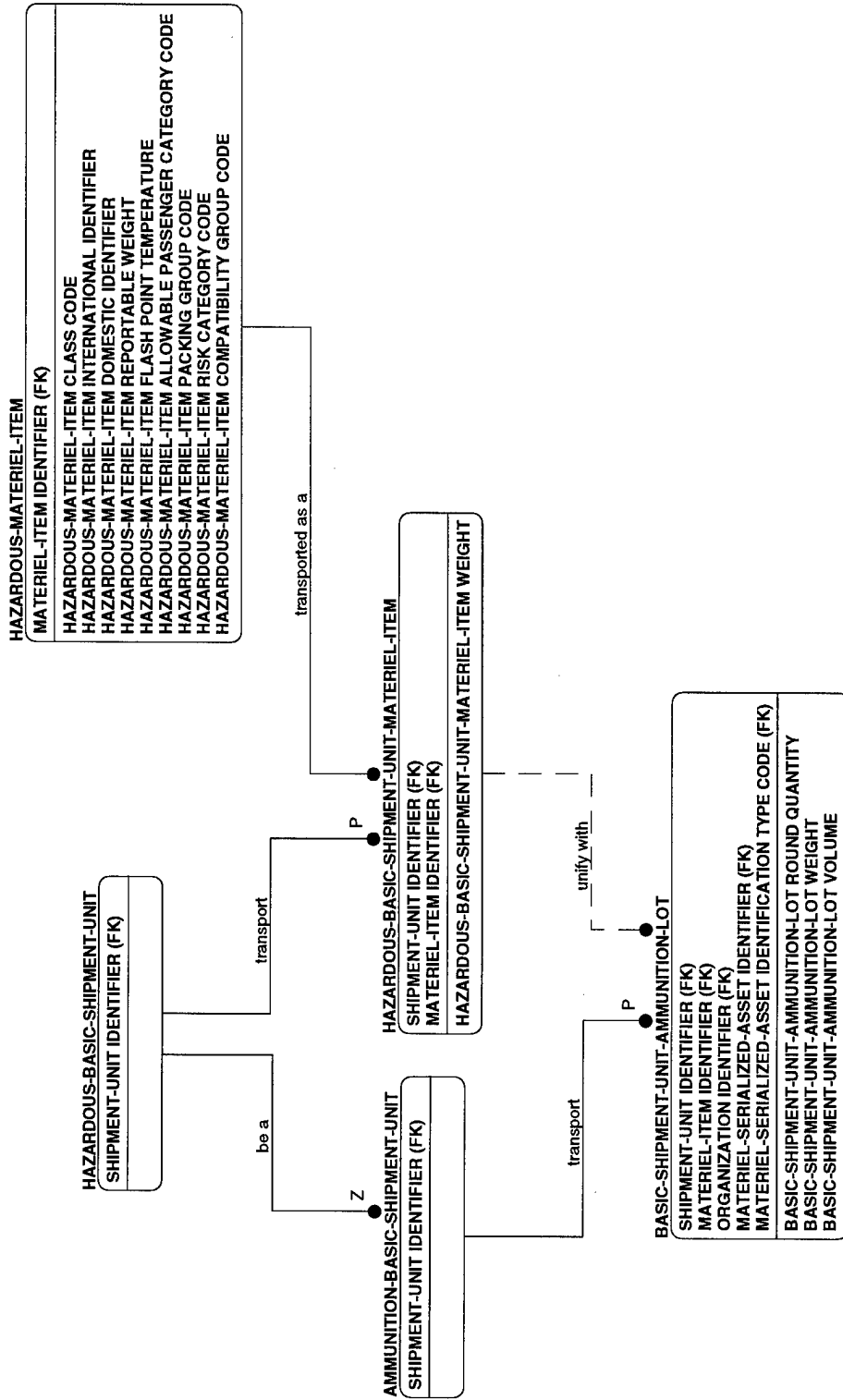
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TR-20

DOD DATA MODEL
 TR-20
 30 NOVEMBER 1998

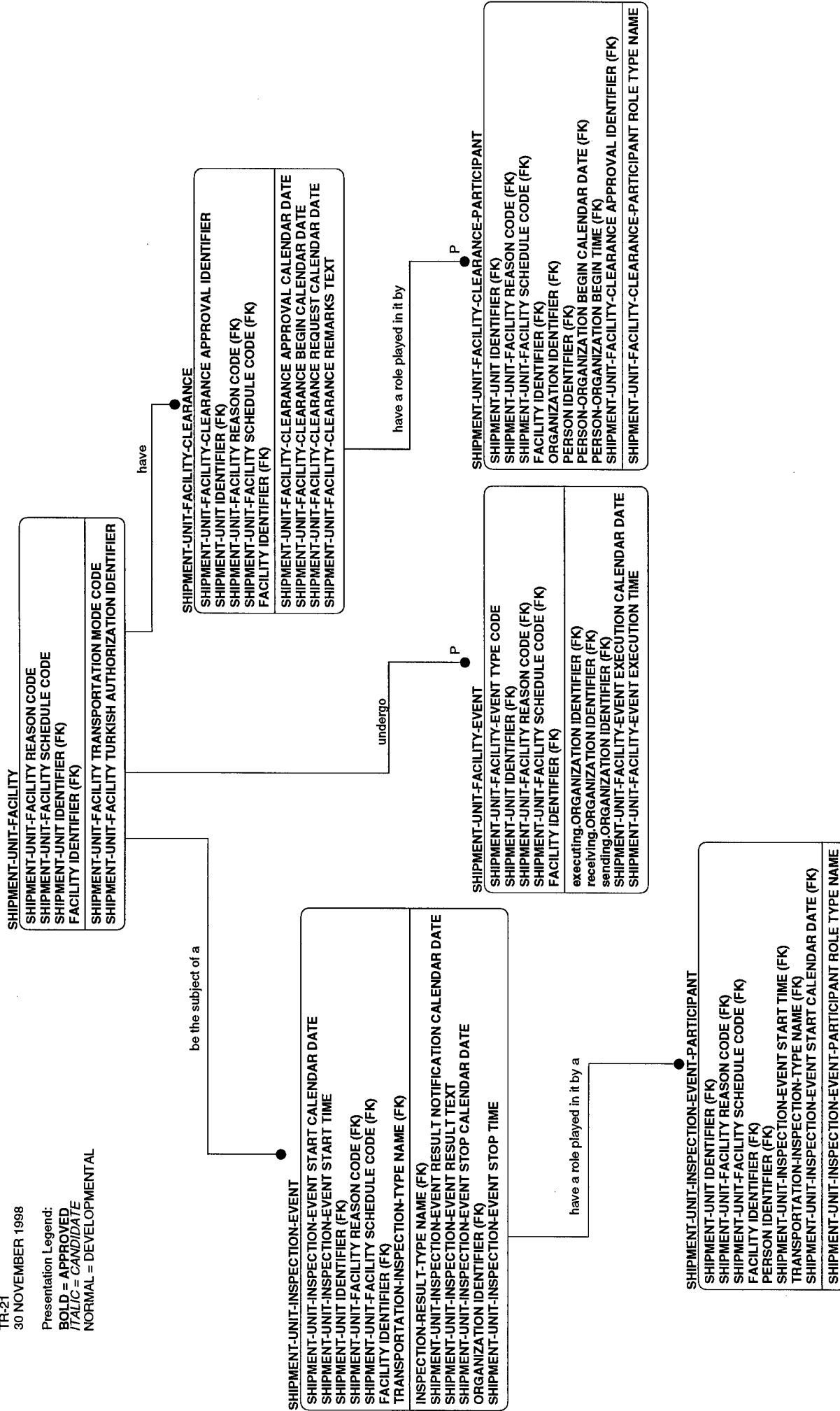
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TR-21

DOD DATA MODEL
TR-21
30 NOVEMBER 1998

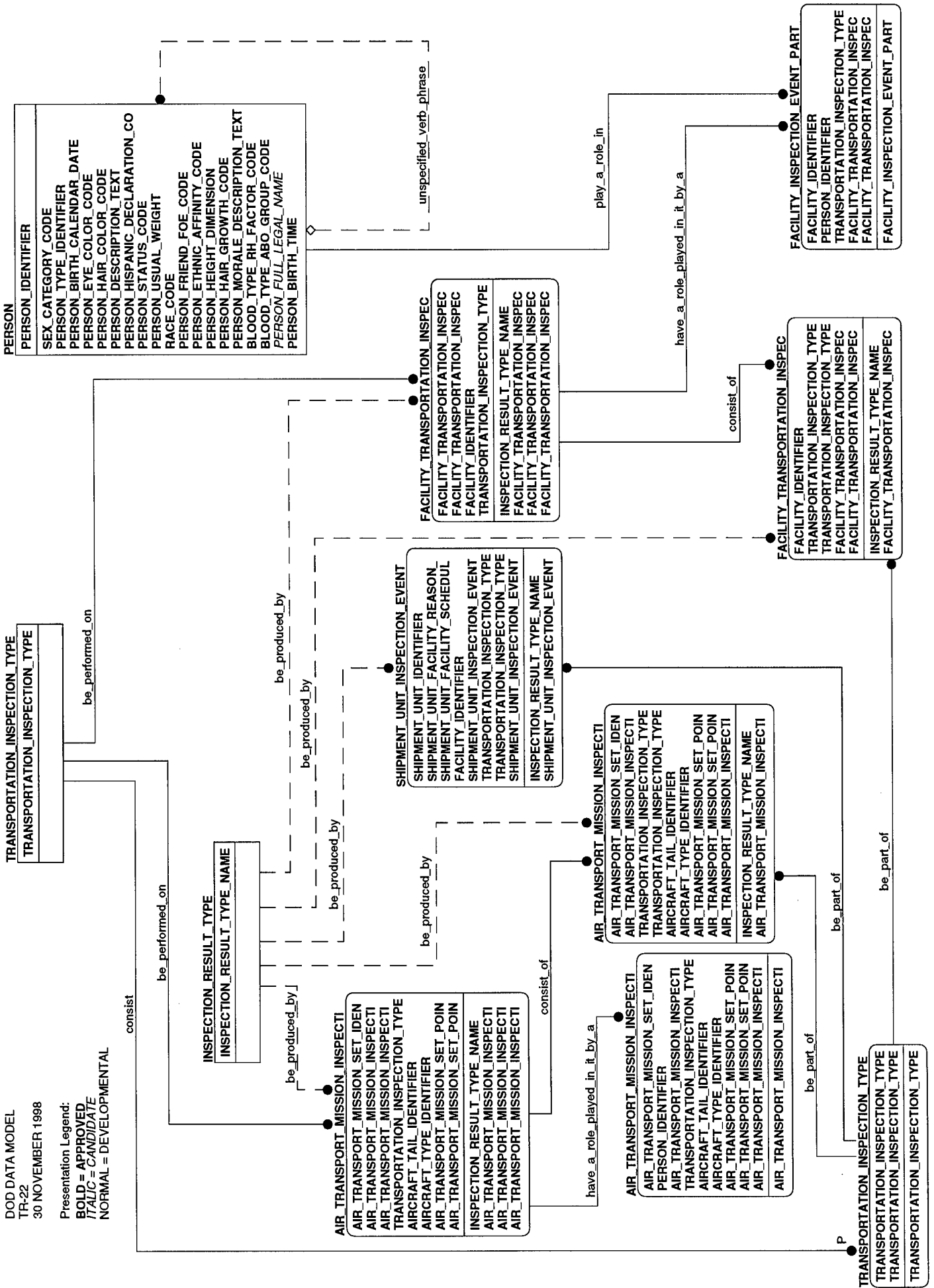
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



TR-22

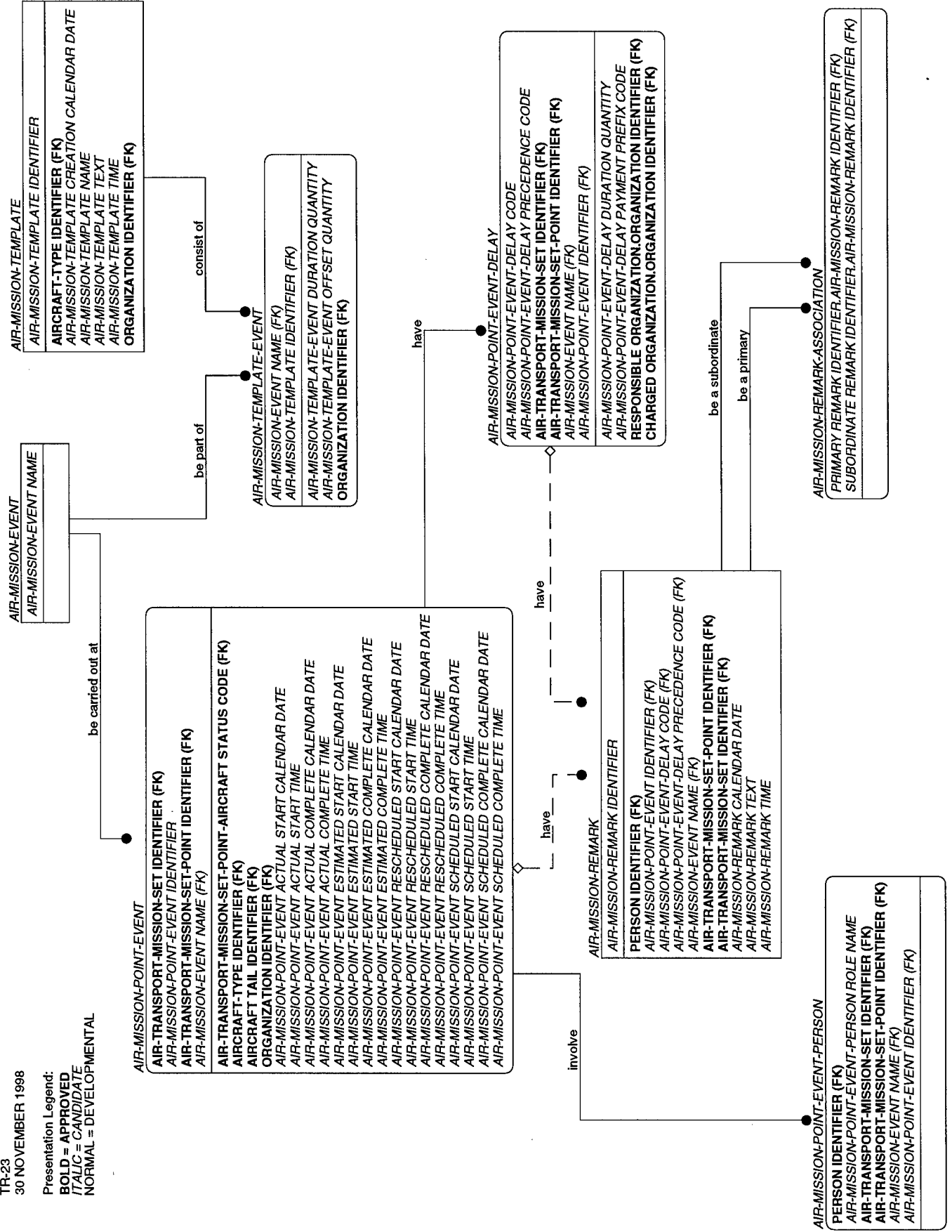
DOD DATA MODEL
 TR-22
 30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
 ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TR-23

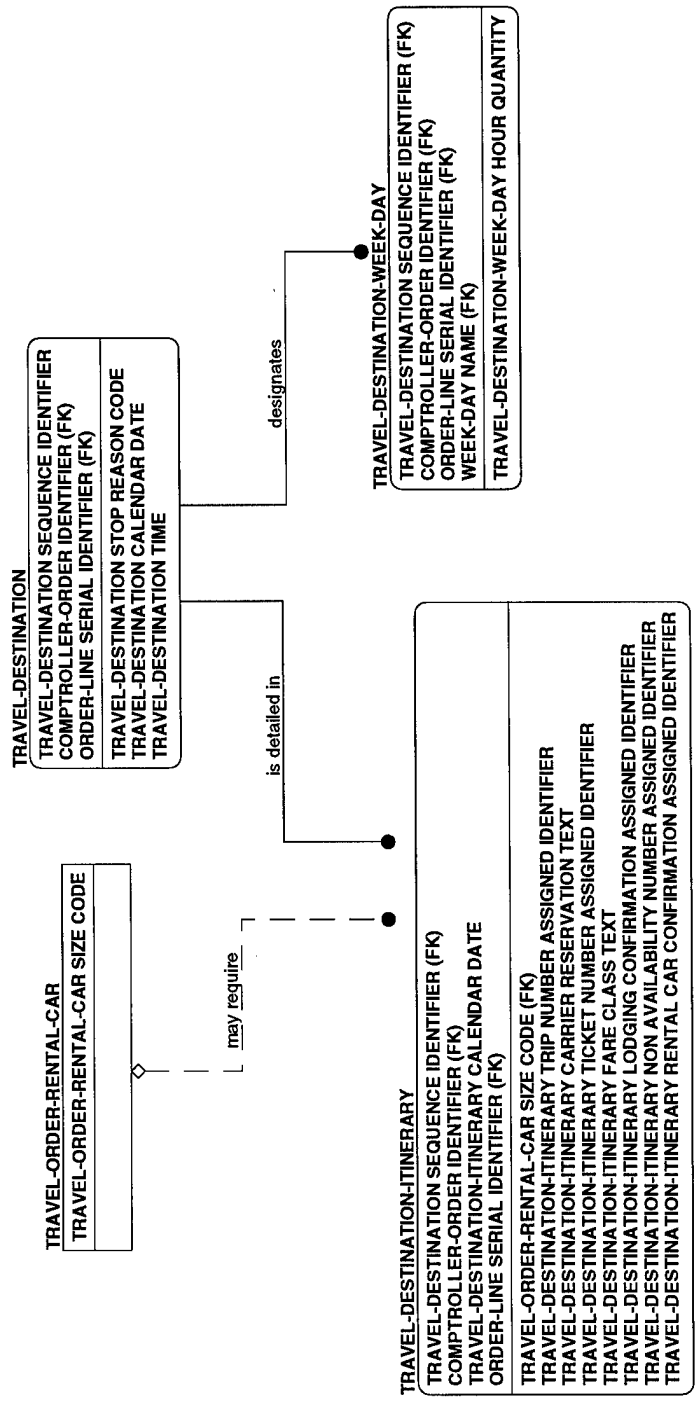
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TR-24

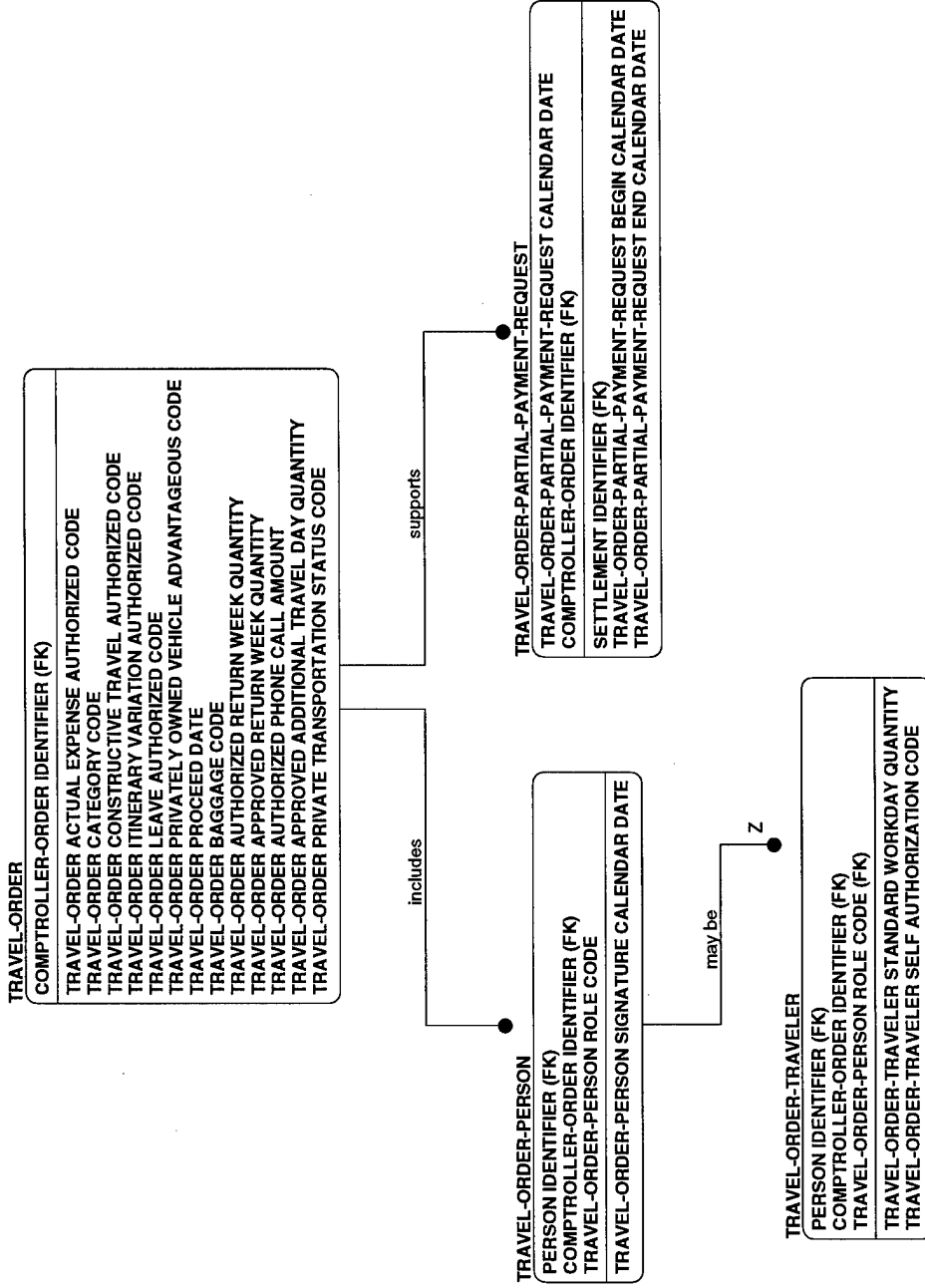
DOD DATA MODEL
 TR-24
 30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



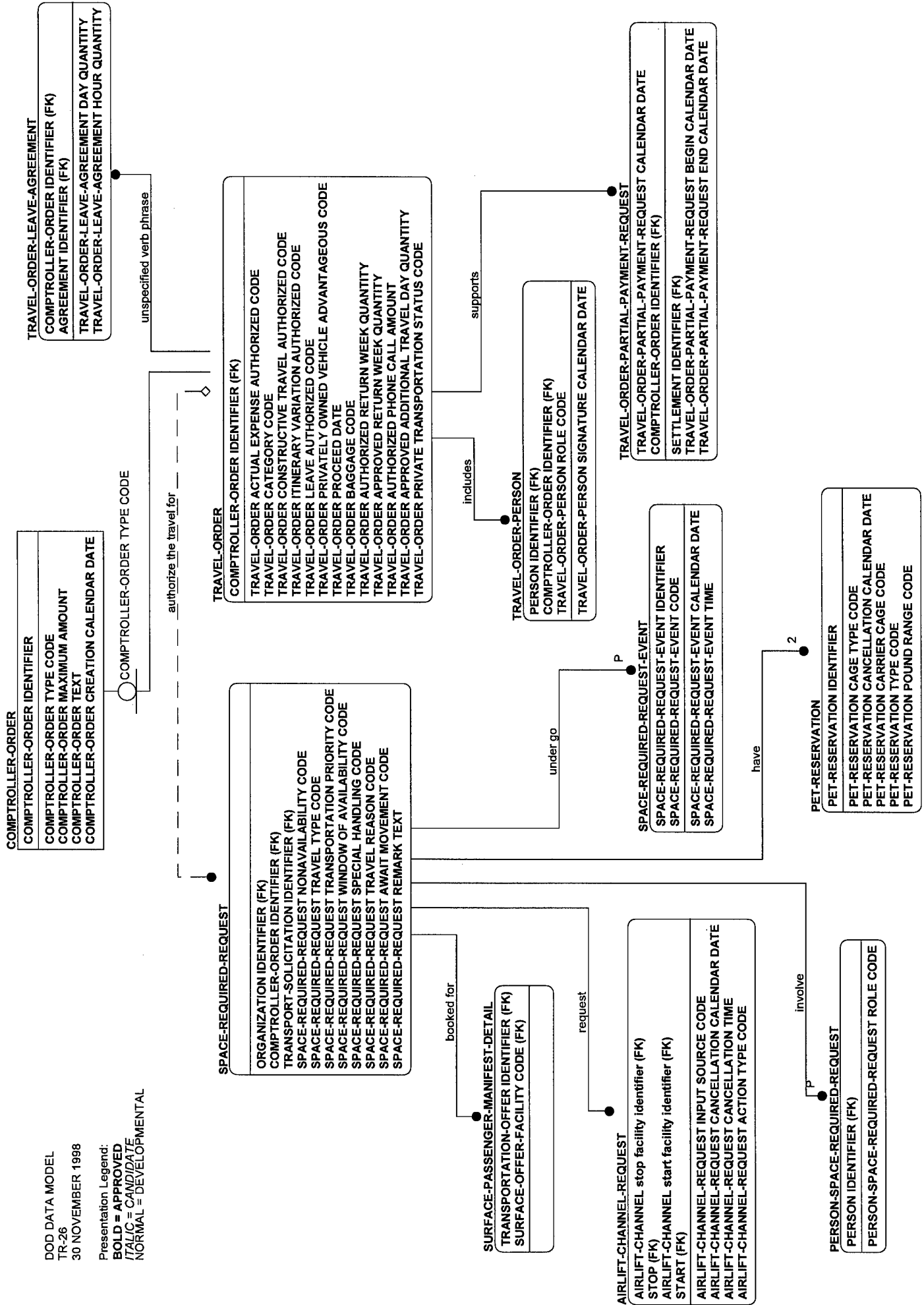
TR-25

Presentation Legend:
BOLD = APPROVED
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TR-26

Presentation Legend:
BOLD = APPROVED
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Section 4

External Interface Standards

Section 4 External Interface Standards

1.0 INTRODUCTION

This section of the DoD Data Model contains American National Institute Standards (ANSI) X.12 data exchange standards. These standards have been included in the DoD Data Model under 8320.1 series guidance that requires the adoption of international, national, and Federal data standards prior to the development of DoD data standards. In conjunction with this requirement, the inclusion of ANSI X.12 data exchange standards broadens the scope of the Data Model to include standard data interchange.

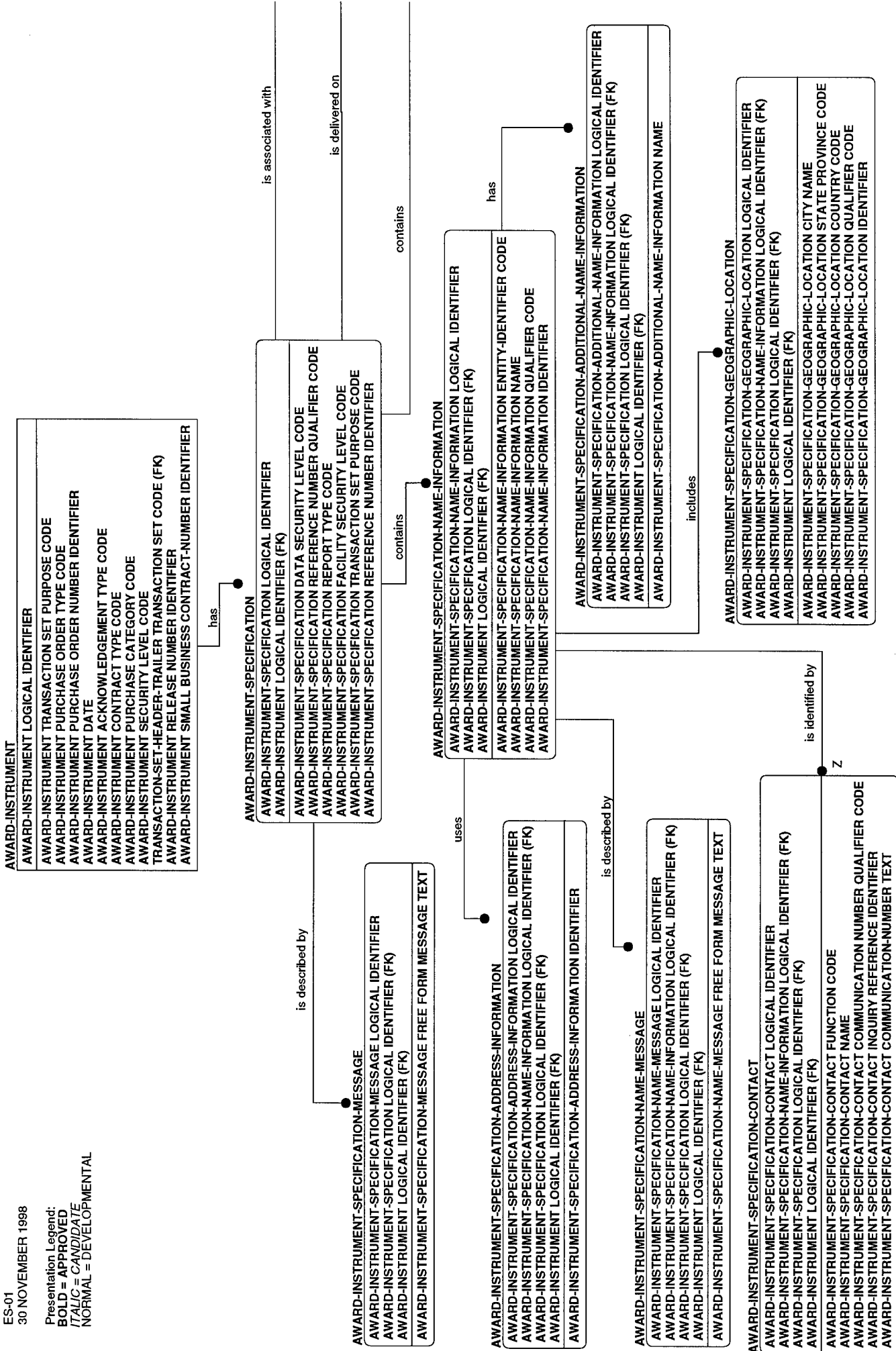
The ANSI X.12 data interchange standards have been adopted by the Department of Defense to improve the exchange of data between the Department and industry partners. In adopting the X.12 standards, version 3050 of X.12 and the associated Federal implementation conventions (IC) have been used to support the adoption of transaction sets 850 (Purchase Request) and 860 (Purchase Request Modification). Version 3040 of the X.12 standards has been used to facilitate the adoption of data standards carried on transaction set 838 (Vendor Registration).

Users of the DoD Data Model should note that the X.12 data interchange standards are used to describe standard formats for the exchange of data. Focusing on standard formats for data interchange, the ANSI X.12 standards may differ from the standards developed by the DoD functional areas. First, standard data exchange formats are typically hierarchically organized. Second, data interchange standards contain complex or coupled data items. Third, the data interchange standards may be used to record multiple occurrences of data that is exchanged with partners over time. Fourth, data exchange standards currently coexist with the data standards used to develop and design databases used to serve functional needs. For example, the 838 transaction set is used to populate the Central Contractor Registration (CCR) System.

The coexistent relationship between functional area database standards and data interchange standards has a number of implications. First, in terms of using the interchange standards, the matching and mapping of functional data standards to established interchange standards should prove useful in validating both DoD functional data standards and transformation algorithms. Second, the data models used to describe the interchange standards are useful as a specification for the data stored on the transaction sets as received from or sent to trading partners. This specification can be used as a basis for developing value-added services at Electronic Commerce Processing Nodes (ECPN). These services include audit, authentication, and, data quality and data security capabilities. Finally, in using the descriptive information on the data interchange standards contained in this section, Functional organizations should note that these standards are used for the express purpose of supporting data exchange. Use of these standards should be consistent with this expressed purpose.

ES-01

Presentation Legend:
BOLD = APPROVED
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AWARD-INSTRUMENT-SPECIFICATION-DATE-TIME-REFERENCE
 AWARD-INSTRUMENT-SPECIFICATION-LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-SPECIFICATION-LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-SPECIFICATION-DATE-TIME-REFERENCE QUALIFIER CODE
 AWARD-INSTRUMENT-SPECIFICATION-DATE-TIME-REFERENCE DATE
 AWARD-INSTRUMENT-SPECIFICATION-DATE-TIME-REFERENCE CENTURY DATE

AWARD-INSTRUMENT-SPECIFICATION-REFERENCE-NUMBER
 AWARD-INSTRUMENT-SPECIFICATION-REFERENCE-NUMBER LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-SPECIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-SPECIFICATION-REFERENCE-NUMBER QUALIFIER CODE
 AWARD-INSTRUMENT-SPECIFICATION-REFERENCE-NUMBER IDENTIFIER

AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-SPECIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD ACQUISITION DATA CODE
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD FREE FORM MESSAGE TEXT

AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-LEAD-TIME
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-LEAD-TIME LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-SPECIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-LEAD-TIME CODE
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-LEAD-TIME QUANTITY
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-LEAD-TIME UNIT-TIME PERIOD INTERVAL CODE

AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STD-REFERENCE-NUMBER
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-REFERENCE-NUMBER LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-SPECIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-REFERENCE-NUMBER QUALIFIER CODE
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-REFERENCE-NUMBER IDENTIFIER
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-REFERENCE-NUMBER DESCRIPTION TEXT

is referenced by

is specified by

Z

is delivered on

AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STD-DATE-TIME-REFERENCE
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-DATE-TIME-REFERENCE LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-SPECIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-DATE-TIME-REFERENCE QUALIFIER CODE
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-DATE-TIME-REFERENCE DATE
 AWARD-INSTRUMENT-CONTRACT-COST-ACCOUNTING-STANDARD-DATE-TIME-REFERENCE CENTURY DATE

ES-02

AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-SPECIAL-HANDLING
AWARD-LINE-ITEM-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE

contains requirements for

is associated with

AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE
AWARD-LINE-ITEM-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-LINE-ITEM-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE QUALIFIER CODE

is associated with

AWARD-LINE-ITEM-NAME-REFERENCE-NUMBER
AWARD-LINE-ITEM-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-REFERENCE-NUMBER LOGICAL IDENTIFIER
AWARD-LINE-ITEM-NAME-REFERENCE-NUMBER DESCRIPTION TEXT
AWARD-LINE-ITEM-NAME-REFERENCE-NUMBER QUALIFIER CODE
AWARD-LINE-ITEM-NAME-REFERENCE-NUMBER IDENTIFIER

AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE
AWARD-LINE-ITEM-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE LOGICAL IDENTIFIER
AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE UNIT BASIS MEASUREMENT CODE
AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE QUANTITY

is defined by

AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL
AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL LOGICAL IDENTIFIER
AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL TIME
AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL DATE
AWARD-LINE-ITEM-NAME-PARTIAL-DELIVERY-SCHEDULE-DETAIL DATE-TIME QUALIFIER CODE

AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT
AWARD-LINE-ITEM-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE

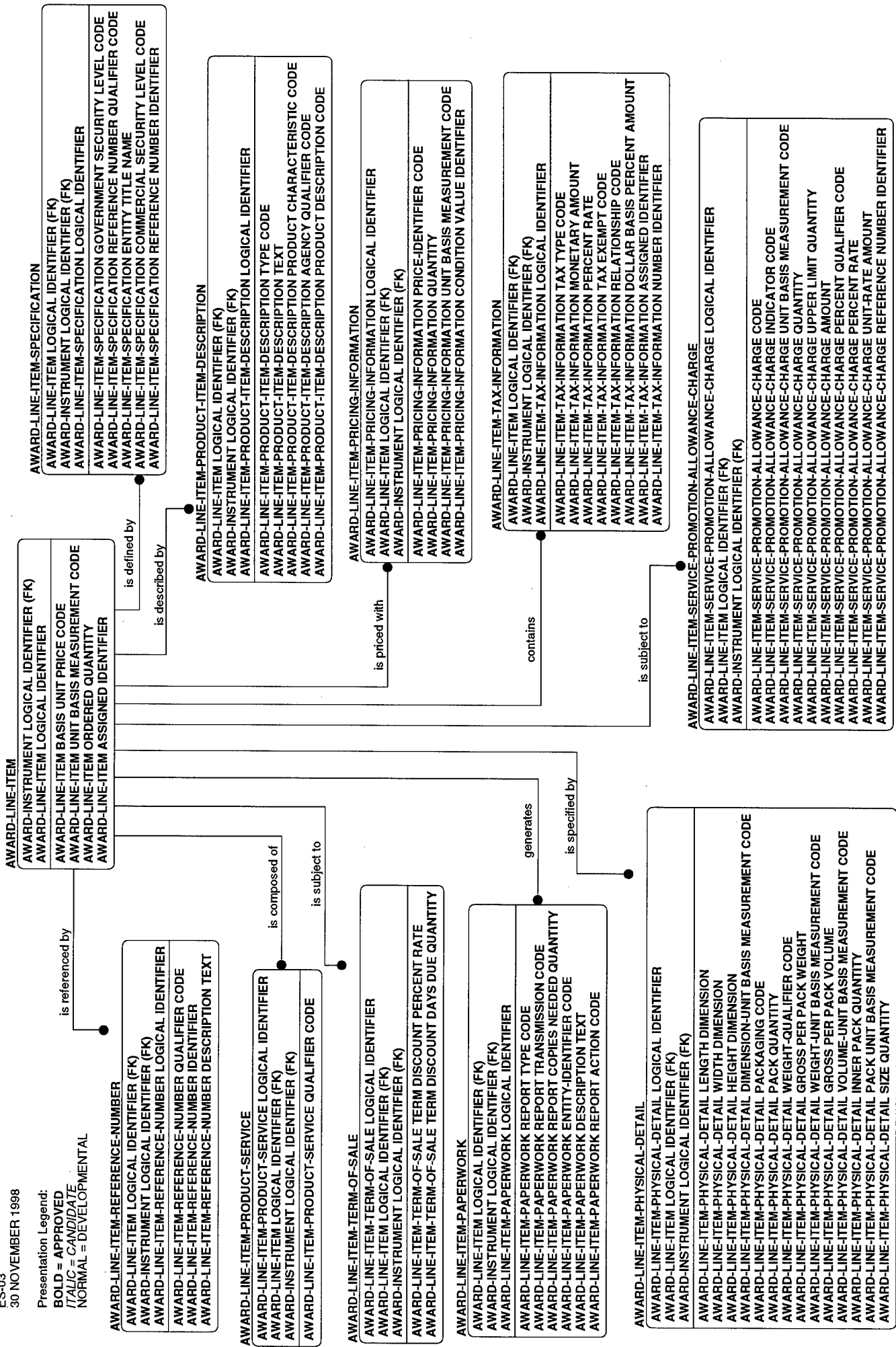
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AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE

is contacted through

AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE
AWARD-LINE-ITEM-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER TEXT

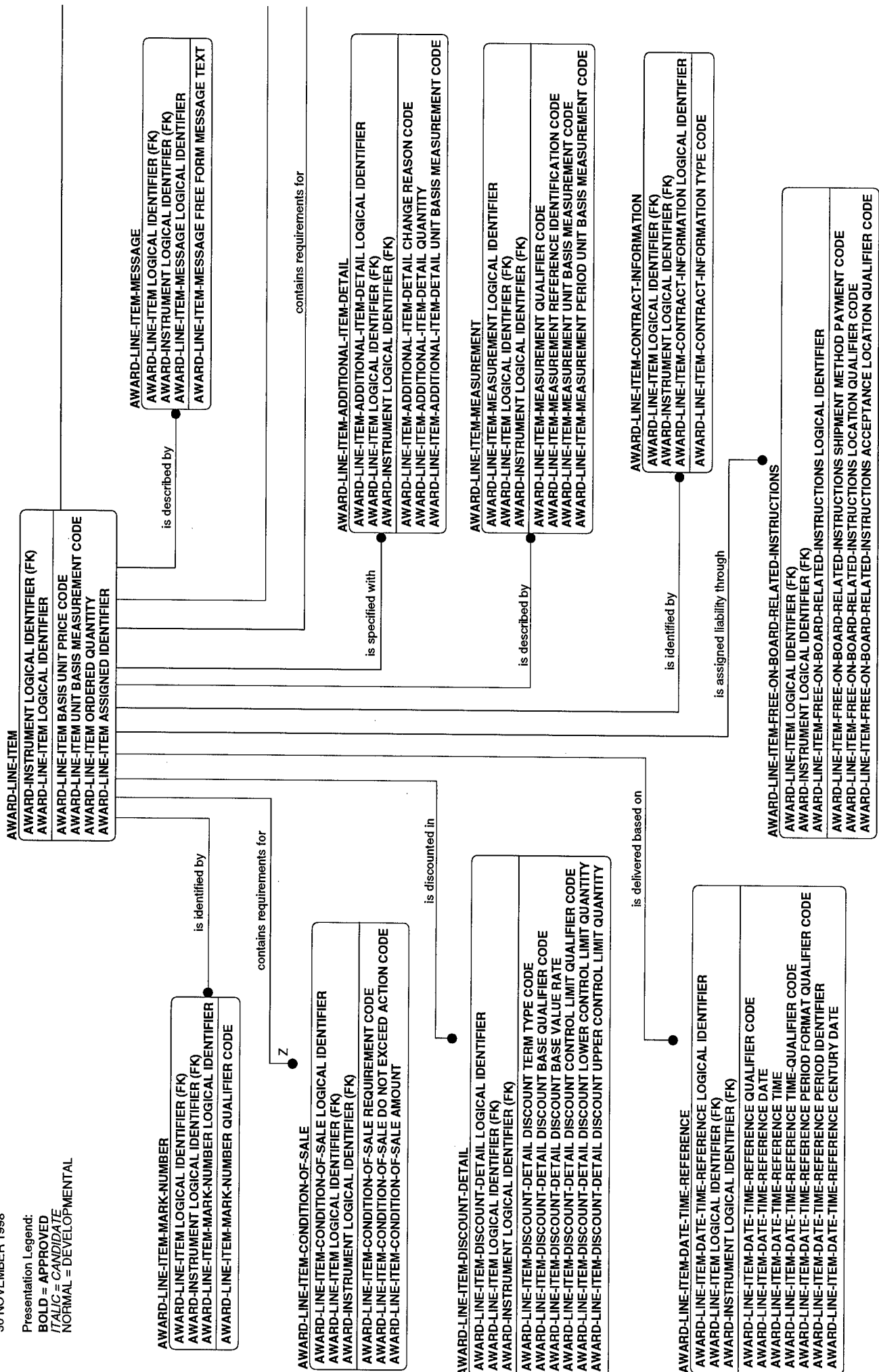
ES-03

Presentation Legend:
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 NORMAL = DEVELOPMENTAL



ES-04

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



contains requirements for

AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING CODE
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
AWARD-LINE-ITEM-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

contains transportation requirements for

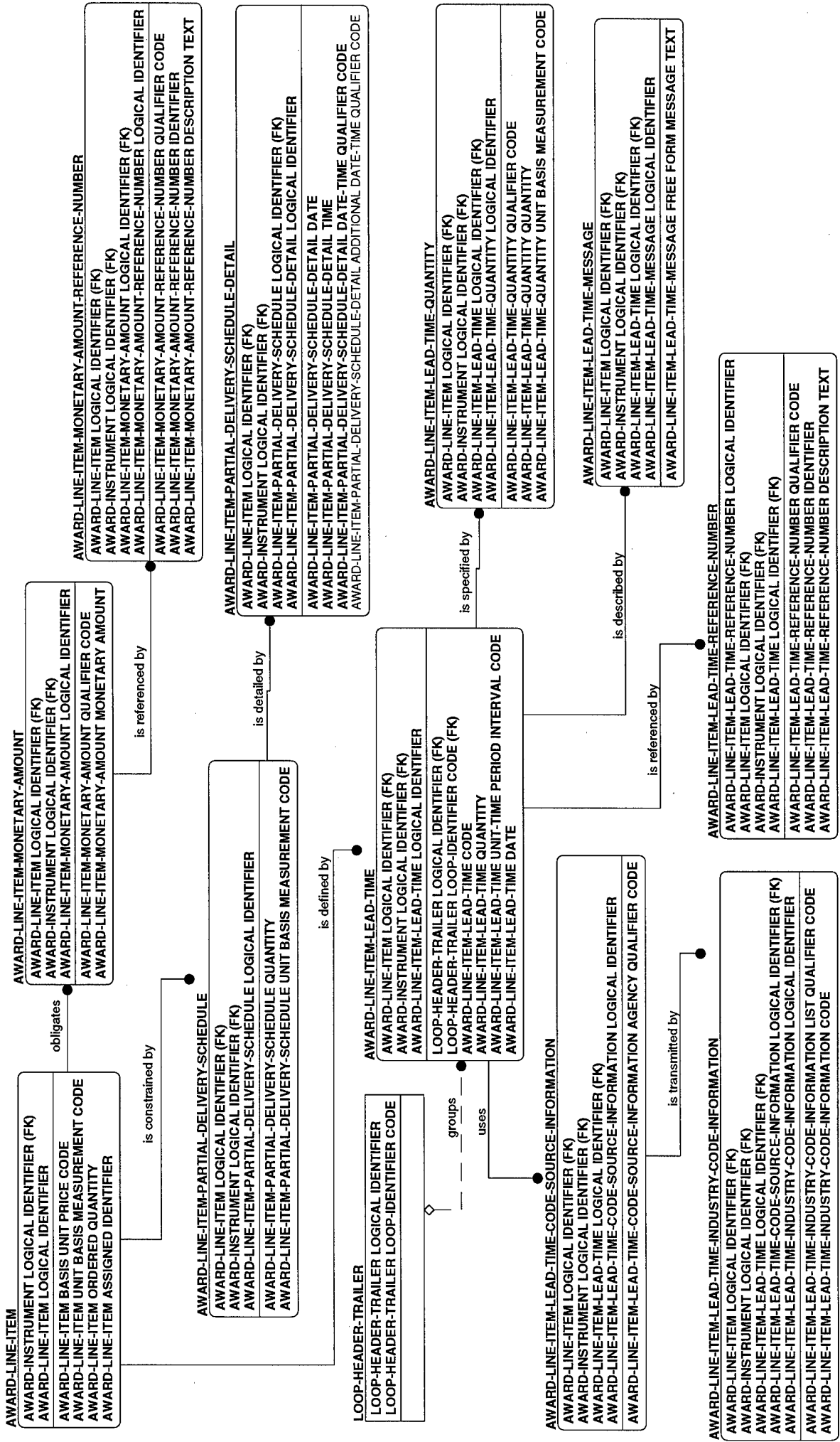
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE QUALIFIER CODE
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-LINE-ITEM-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING

AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING DESCRIPTION TEXT
AWARD-LINE-ITEM-MARKING-PACKAGING-LOADING PACKAGING DESCRIPTION CODE

ES-05

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



ES-06

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL

AWARD-INSTRUMENT LOGICAL IDENTIFIER
AWARD-INSTRUMENT TRANSACTION SET PURPOSE CODE
AWARD-INSTRUMENT PURCHASE ORDER TYPE CODE
AWARD-INSTRUMENT PURCHASE ORDER NUMBER IDENTIFIER
AWARD-INSTRUMENT DATE
AWARD-INSTRUMENT ACKNOWLEDGEMENT TYPE CODE
AWARD-INSTRUMENT CONTRACT TYPE CODE
AWARD-INSTRUMENT PURCHASE CATEGORY CODE
AWARD-INSTRUMENT SECURITY LEVEL CODE
TRANSACTION-SET-HEADER-TRAILER TRANSACTION SET CODE (FK)
AWARD-INSTRUMENT RELEASE NUMBER IDENTIFIER
AWARD-INSTRUMENT SMALL BUSINESS CONTRACT-NUMBER IDENTIFIER

contains

AWARD-LINE-ITEM
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM LOGICAL IDENTIFIER
AWARD-LINE-ITEM BASIS UNIT PRICE CODE
AWARD-LINE-ITEM UNIT BASIS MEASUREMENT CODE
AWARD-LINE-ITEM ORDERED QUANTITY
AWARD-LINE-ITEM ASSIGNED IDENTIFIER

uses

AWARD-LINE-ITEM-CODE-SOURCE-INDUSTRY-CODE-AGENCY QUALIFIER CODE
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CODE-SOURCE-INDUSTRY-CODE-AGENCY QUALIFIER CODE

is transmitted by

AWARD-LINE-ITEM-INDUSTRY-CODE-INDUSTRY-CODE-AGENCY QUALIFIER CODE
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CODE-SOURCE-INDUSTRY-CODE-AGENCY QUALIFIER CODE
AWARD-LINE-ITEM-INDUSTRY-CODE-INDUSTRY-CODE-AGENCY QUALIFIER CODE

is associated with

AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE
AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME
AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER

can be reached through

AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER
AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE
AWARD-LINE-ITEM-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER TEXT

is referenced by

AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER LOGICAL IDENTIFIER
AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER QUALIFIER CODE
AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER IDENTIFIER
AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER FREE FORM DESCRIPTION TEXT
AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER DATE

is described by

AWARD-LINE-ITEM-CONTRACTUAL-MESSAGE
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-CONTRACTUAL-REFERENCE-NUMBER LOGICAL IDENTIFIER
AWARD-LINE-ITEM-CONTRACTUAL-MESSAGE FREE FORM MESSAGE TEXT

is sent to

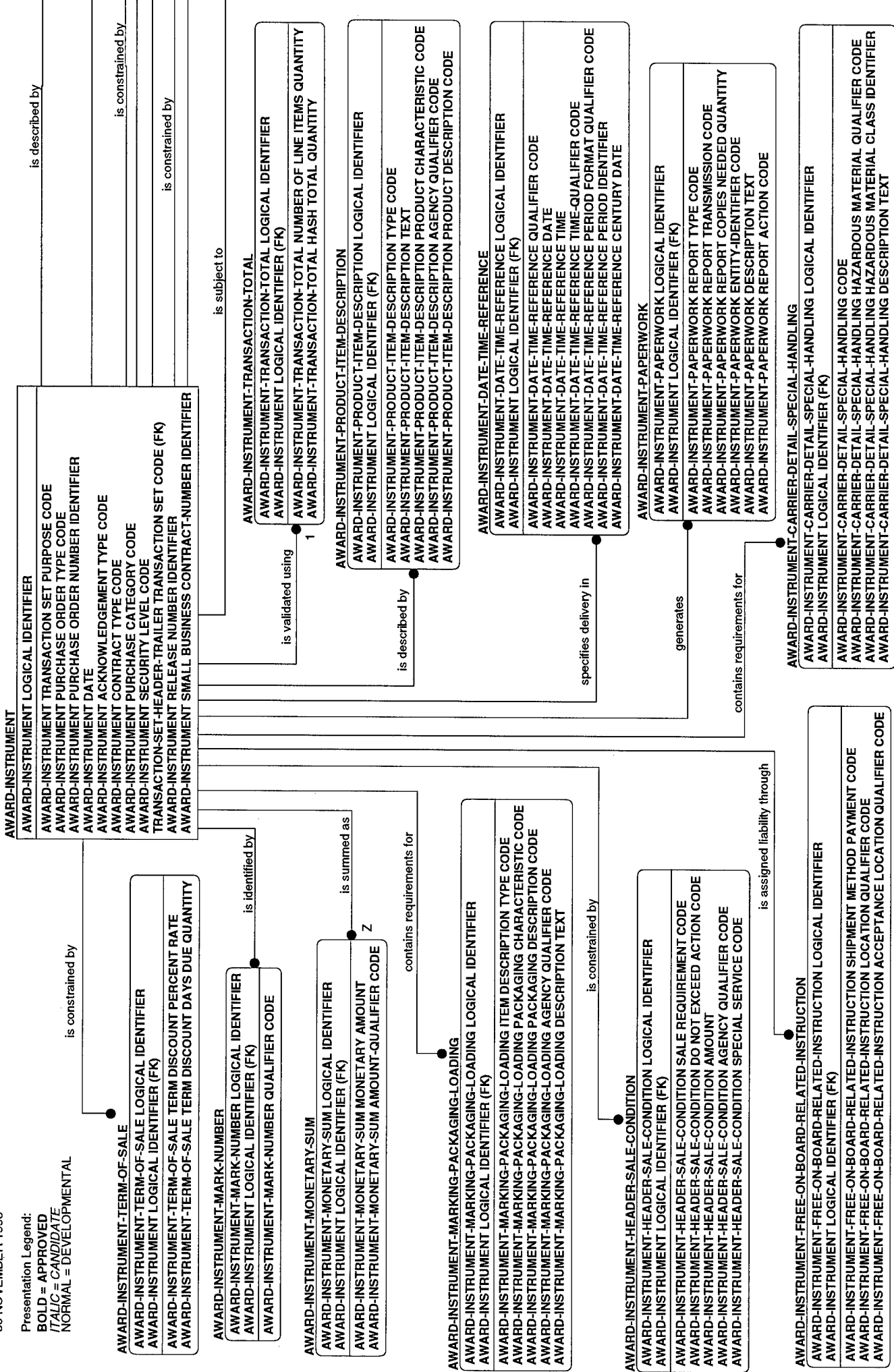
AWARD-LINE-ITEM-DESTINATION-QUANTITY
AWARD-LINE-ITEM-DESTINATION-QUANTITY LOGICAL IDENTIFIER
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-DESTINATION-QUANTITY UNIT BASIS MEASUREMENT CODE
AWARD-LINE-ITEM-DESTINATION-QUANTITY IDENTIFICATION QUALIFIER CODE

is detailed in

AWARD-LINE-ITEM-DESTINATION-QUANTITY-DETAIL
AWARD-LINE-ITEM-DESTINATION-QUANTITY-DETAIL LOGICAL IDENTIFIER
AWARD-LINE-ITEM LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-DESTINATION-QUANTITY LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-DESTINATION-QUANTITY-DETAIL IDENTIFIER
AWARD-LINE-ITEM-DESTINATION-QUANTITY-DETAIL QUANTITY

ES-07

Presentation Legend:
BOLD = APPROVED
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 NORMAL = DEVELOPMENTAL



AWARD-INSTRUMENT-REFERENCE-NUMBER
AWARD-INSTRUMENT-REFERENCE-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-REFERENCE-NUMBER QUALIFIER CODE
AWARD-INSTRUMENT-REFERENCE-NUMBER IDENTIFIER
AWARD-INSTRUMENT-REFERENCE-NUMBER DESCRIPTION TEXT

specifies

AWARD-INSTRUMENT-MEASUREMENT
AWARD-INSTRUMENT-MEASUREMENT LOGICAL IDENTIFIER
AWARD-INSTRUMENT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MEASUREMENT REFERENCE IDENTIFICATION CODE
AWARD-INSTRUMENT-MEASUREMENT QUALIFIER CODE
AWARD-INSTRUMENT-MEASUREMENT UNIT BASIS MEASUREMENT CODE
AWARD-INSTRUMENT-MEASUREMENT PERIOD UNIT BASIS MEASUREMENT CODE

AWARD-INSTRUMENT-DISCOUNT-DETAIL
AWARD-INSTRUMENT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-DISCOUNT-DETAIL LOGICAL IDENTIFIER
AWARD-INSTRUMENT-DISCOUNT-DETAIL DISCOUNT LOWER CONTROL LIMIT QUANTITY
AWARD-INSTRUMENT-DISCOUNT-DETAIL DISCOUNT UPPER CONTROL LIMIT QUANTITY
AWARD-INSTRUMENT-DISCOUNT-DETAIL DISCOUNT CONTROL LIMIT QUALIFIER CODE
AWARD-INSTRUMENT-DISCOUNT-DETAIL DISCOUNT BASE VALUE QUANTITY
AWARD-INSTRUMENT-DISCOUNT-DETAIL DISCOUNT BASE QUALIFIER CODE
AWARD-INSTRUMENT-DISCOUNT-DETAIL DISCOUNT TERMS TYPE CODE

AWARD-INSTRUMENT-FOREIGN-CURRENCY
AWARD-INSTRUMENT-FOREIGN-CURRENCY LOGICAL IDENTIFIER
AWARD-INSTRUMENT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-FOREIGN-CURRENCY BUYER ENTITY-IDENTIFIER CODE
AWARD-INSTRUMENT-FOREIGN-CURRENCY BUYER CURRENCY CODE
AWARD-INSTRUMENT-FOREIGN-CURRENCY EXCHANGE RATE
AWARD-INSTRUMENT-FOREIGN-CURRENCY PAYER CURRENCY CODE
AWARD-INSTRUMENT-FOREIGN-CURRENCY PAYER ENTITY-IDENTIFIER CODE

specifies type of

Z

AWARD-INSTRUMENT-CARRIER-DETAIL-ROUTING-SEQUENCE
AWARD-INSTRUMENT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFICATION QUALIFIER CODE
AWARD-INSTRUMENT-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-INSTRUMENT-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-INSTRUMENT-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

contains transportation requirements for

AWARD-INSTRUMENT-LEAD-TIME
AWARD-INSTRUMENT-LEAD-TIME LOGICAL IDENTIFIER
AWARD-INSTRUMENT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-LEAD-TIME CODE
AWARD-INSTRUMENT-LEAD-TIME QUANTITY
AWARD-INSTRUMENT-LEAD-TIME UNIT-TIME PERIOD INTERVAL CODE
AWARD-INSTRUMENT-LEAD-TIME DATE

contains

AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE INDICATOR CODE
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE CODE
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT BASIS MEASUREMENT CODE
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE QUANTITY
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE UPPER LIMIT QUANTITY
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE AMOUNT
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT QUALIFIER CODE
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT RATE
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT-RATE AMOUNT
AWARD-INSTRUMENT-SERVICE-PROMOTION-ALLOWANCE-CHARGE REFERENCE NUMBER IDENTIFIER

AWARD-INSTRUMENT-TAX-INFORMATION
AWARD-INSTRUMENT-LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-TAX-INFORMATION TAX TYPE CODE
AWARD-INSTRUMENT-TAX-INFORMATION MONETARY AMOUNT
AWARD-INSTRUMENT-TAX-INFORMATION PERCENT RATE
AWARD-INSTRUMENT-TAX-INFORMATION RELATIONSHIP CODE
AWARD-INSTRUMENT-TAX-INFORMATION DOLLAR BASIS PERCENT AMOUNT
AWARD-INSTRUMENT-TAX-INFORMATION ASSIGNED IDENTIFIER
AWARD-INSTRUMENT-TAX-INFORMATION TAX EXEMPT CODE
AWARD-INSTRUMENT-TAX-INFORMATION NUMBER IDENTIFIER

ES-08

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL

AWARD-INSTRUMENT LOGICAL IDENTIFIER
AWARD-INSTRUMENT TRANSACTION SET PURPOSE CODE
AWARD-INSTRUMENT PURCHASE ORDER TYPE CODE
AWARD-INSTRUMENT PURCHASE ORDER NUMBER IDENTIFIER
AWARD-INSTRUMENT DATE
AWARD-INSTRUMENT ACKNOWLEDGEMENT TYPE CODE
AWARD-INSTRUMENT CONTRACT TYPE CODE
AWARD-INSTRUMENT PURCHASE CATEGORY CODE
AWARD-INSTRUMENT SECURITY LEVEL CODE
TRANSACTION-SET-HEADER-TRAILER TRANSACTION SET CODE (FK)
AWARD-INSTRUMENT RELEASE NUMBER IDENTIFIER
AWARD-INSTRUMENT SMALL BUSINESS CONTRACT-NUMBER IDENTIFIER

is associated with

AWARD-INSTRUMENT-NAME-INFORMATION
AWARD-INSTRUMENT-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-INFORMATION ENTITY-IDENTIFIER CODE
AWARD-INSTRUMENT-NAME-INFORMATION QUALIFIER CODE
AWARD-INSTRUMENT-NAME-INFORMATION IDENTIFIER
AWARD-INSTRUMENT-NAME-INFORMATION NAME

contains requirements for

AWARD-INSTRUMENT-GEOGRAPHIC-LOCATION
AWARD-INSTRUMENT-GEOGRAPHIC-LOCATION IDENTIFIER
AWARD-INSTRUMENT-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-GEOGRAPHIC-LOCATION CITY NAME
AWARD-INSTRUMENT-GEOGRAPHIC-LOCATION STATE PROVINCE CODE
AWARD-INSTRUMENT-GEOGRAPHIC-LOCATION COUNTRY CODE
AWARD-INSTRUMENT-GEOGRAPHIC-LOCATION QUALIFIER CODE
AWARD-INSTRUMENT-GEOGRAPHIC-LOCATION IDENTIFIER

includes

contains requirements for

is associated with

AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER

is contacted through

AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE
AWARD-INSTRUMENT-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER TEXT

has

AWARD-INSTRUMENT-ADDITIONAL-NAME-INFORMATION
AWARD-INSTRUMENT-ADDITIONAL-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-ADDITIONAL-NAME-INFORMATION NAME

uses

AWARD-INSTRUMENT-ADDRESS-INFORMATION
AWARD-INSTRUMENT-ADDRESS-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-ADDRESS-INFORMATION IDENTIFIER

is associated with

AWARD-INSTRUMENT-DELIVERY-REFERENCE-NUMBER
AWARD-INSTRUMENT-DELIVERY-REFERENCE-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-DELIVERY-REFERENCE-NUMBER QUALIFIER CODE
AWARD-INSTRUMENT-DELIVERY-REFERENCE-NUMBER IDENTIFIER
AWARD-INSTRUMENT-DELIVERY-REFERENCE-NUMBER DESCRIPTION TEXT

AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING
 AWARD-INSTRUMENT-NAME-LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
 AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING CODE
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

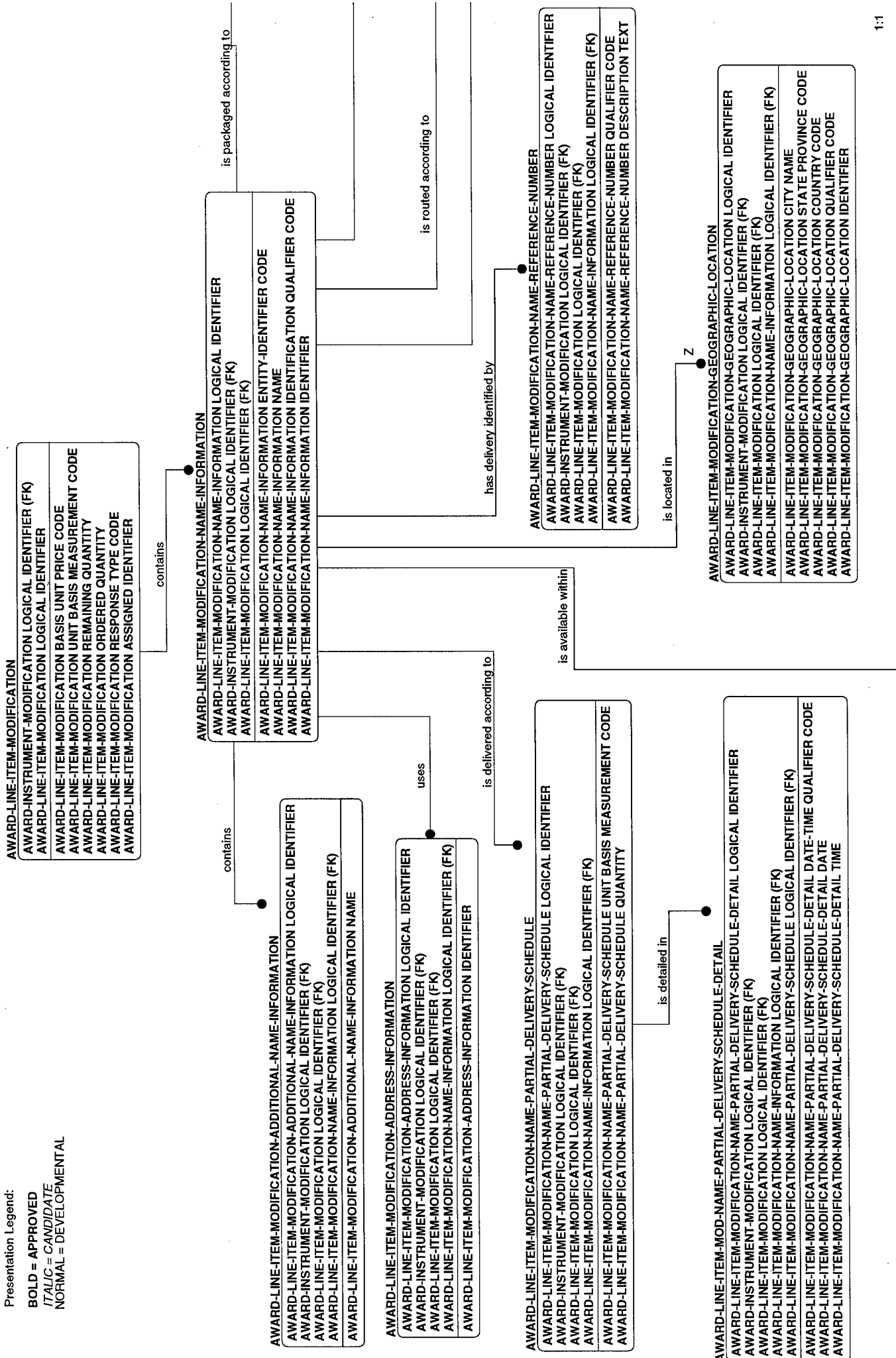
contains transportation requirements for

AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE
 AWARD-INSTRUMENT-NAME-LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
 AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE QUALIFIER CODE
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
 AWARD-INSTRUMENT-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING
 AWARD-INSTRUMENT-NAME-LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
 AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE
 AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
 AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
 AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING PACKAGING DESCRIPTION CODE
 AWARD-INSTRUMENT-NAME-MARKING-PACKAGING-LOADING DESCRIPTION TEXT

ES-09

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING
 AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING PACKAGING DESCRIPTION CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-MARKING-PACKAGING-LOADING DESCRIPTION TEXT

AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING

AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
 AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

is handled according to

provides

AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFICATION QUALIFIER CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
 AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

AWARD-LINE-MOD-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT

AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME
 AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER

is contacted through

AWARD-LINE-ITEM-MOD-NAME-ADMIN-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER

AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME QUANTITY
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME UNIT PERIOD INTERVAL CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME DATE

specifies availability for

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-QUANTITY
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-QUANTITY LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME QUANTITY QUALIFIER CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-QUANTITY QUANTITY
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-QUANTITY UNIT BASIS MEASUREMENT CODE

is explained in

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MESSAGE
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MESSAGE LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME MESSAGE FREE FORM MESSAGE TEXT

is referenced by

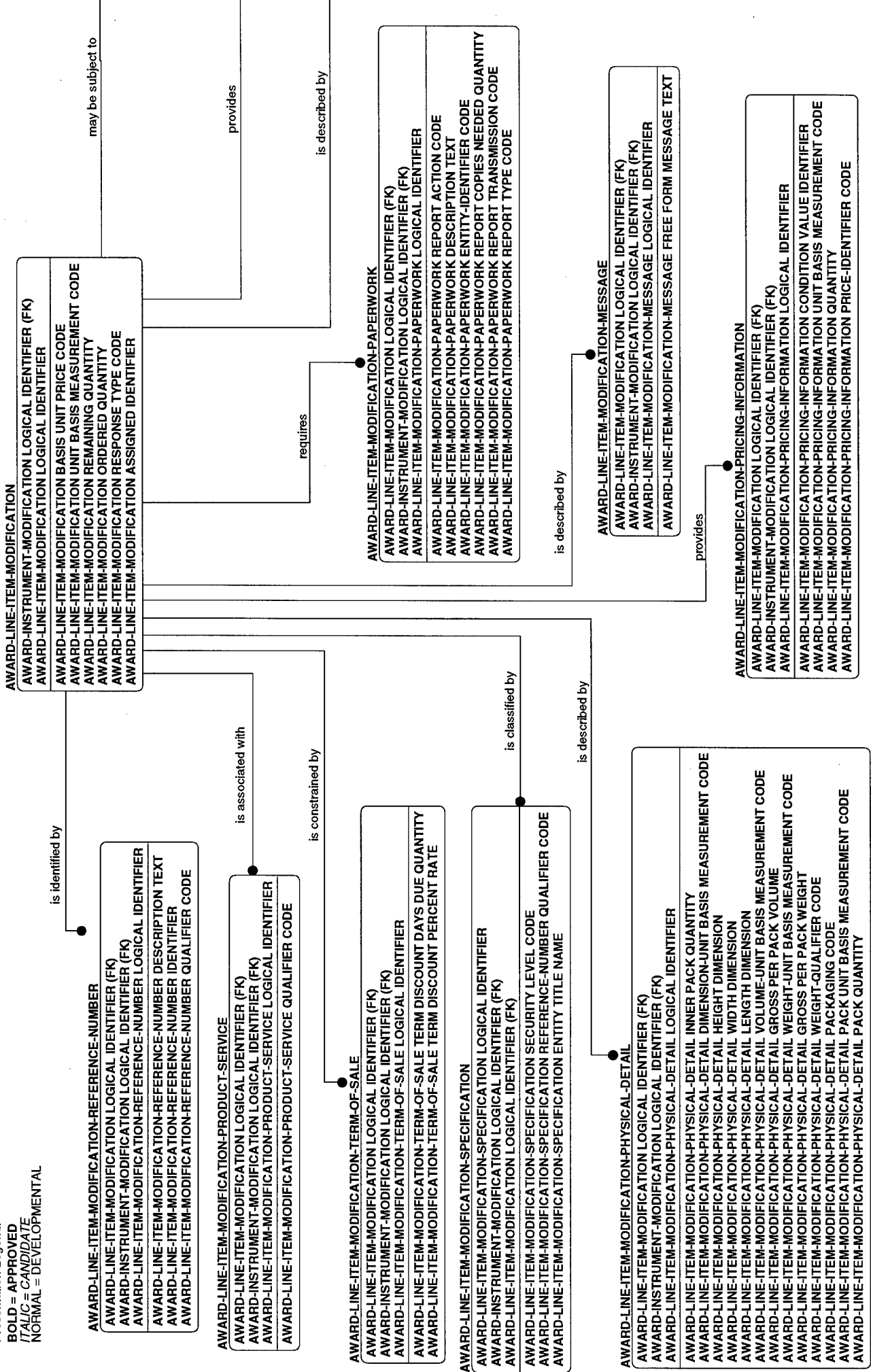
AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-REFERENCE-NUMBER
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-REFERENCE-NUMBER LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME REFERENCE-NUMBER QUALIFIER CODE
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-REFERENCE-NUMBER DESCRIPTION TEXT

is shipped according to

AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MARK-NUMBER
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MARK-NUMBER LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-NAME-LEAD-TIME-MARK-NUMBER QUALIFIER CODE

ES-10

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE

AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE LOGICAL IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UPPER LIMIT QUANTITY
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE QUANTITY
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT BASIS MEASUREMENT CODE
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT-RATE AMOUNT
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT RATE
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE AMOUNT
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE CODE
AWARD-LINE-ITEM-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE INDICATOR CODE

Z

AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION

AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION TAX TYPE CODE
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION MONETARY AMOUNT
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION PERCENT RATE
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION TAX EXEMPT CODE
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION RELATIONSHIP CODE
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION DOLLAR BASIS PERCENT AMOUNT
AWARD-LINE-ITEM-MODIFICATION-TAX-INFORMATION ASSIGNED IDENTIFIER

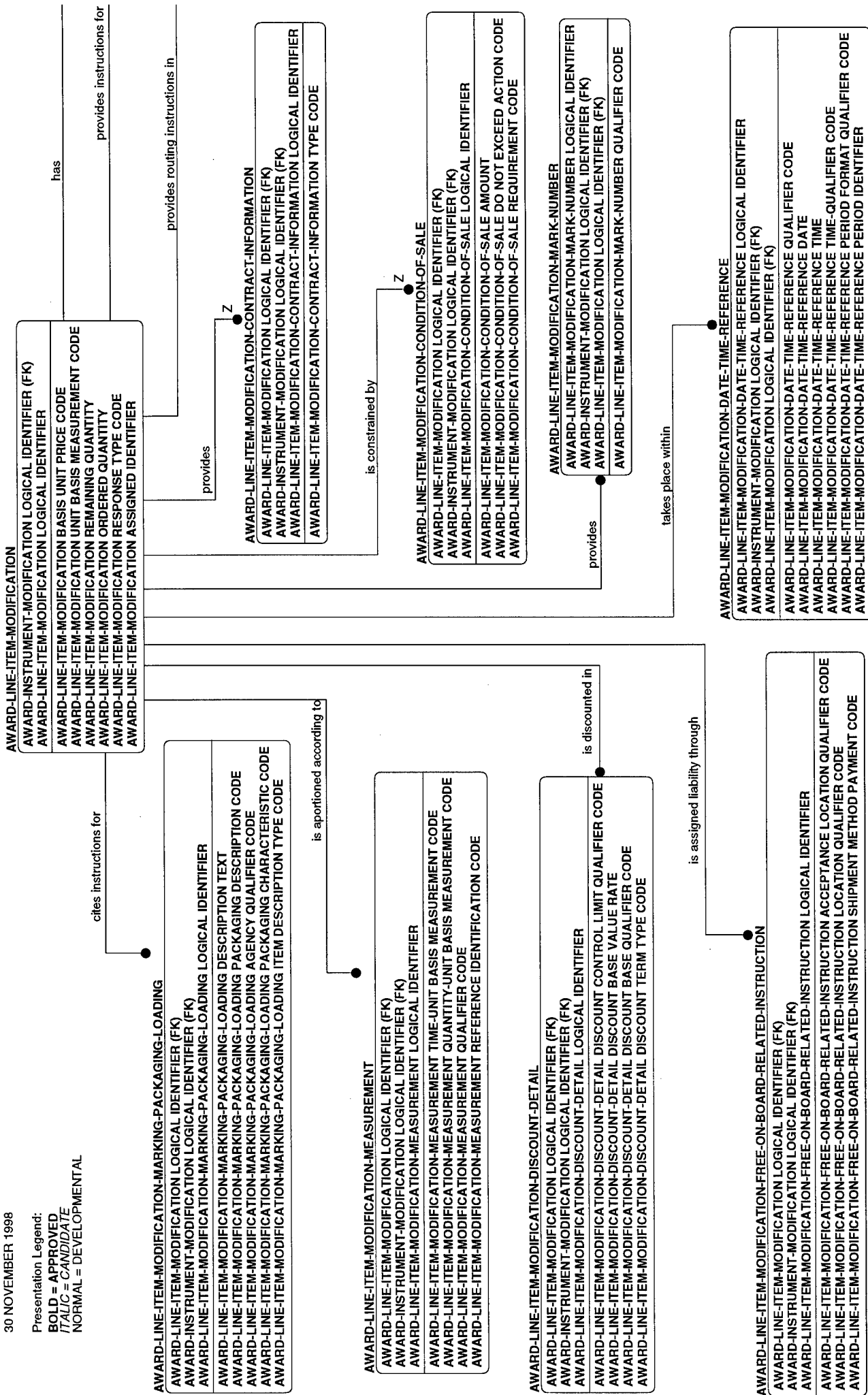
Z

AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION

AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION LOGICAL IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION TEXT
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION PRODUCT DESCRIPTION CODE
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION AGENCY QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION PRODUCT CHARACTERISTIC CODE
AWARD-LINE-ITEM-MODIFICATION-PRODUCT-ITEM-DESCRIPTION TYPE CODE

ES-11

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



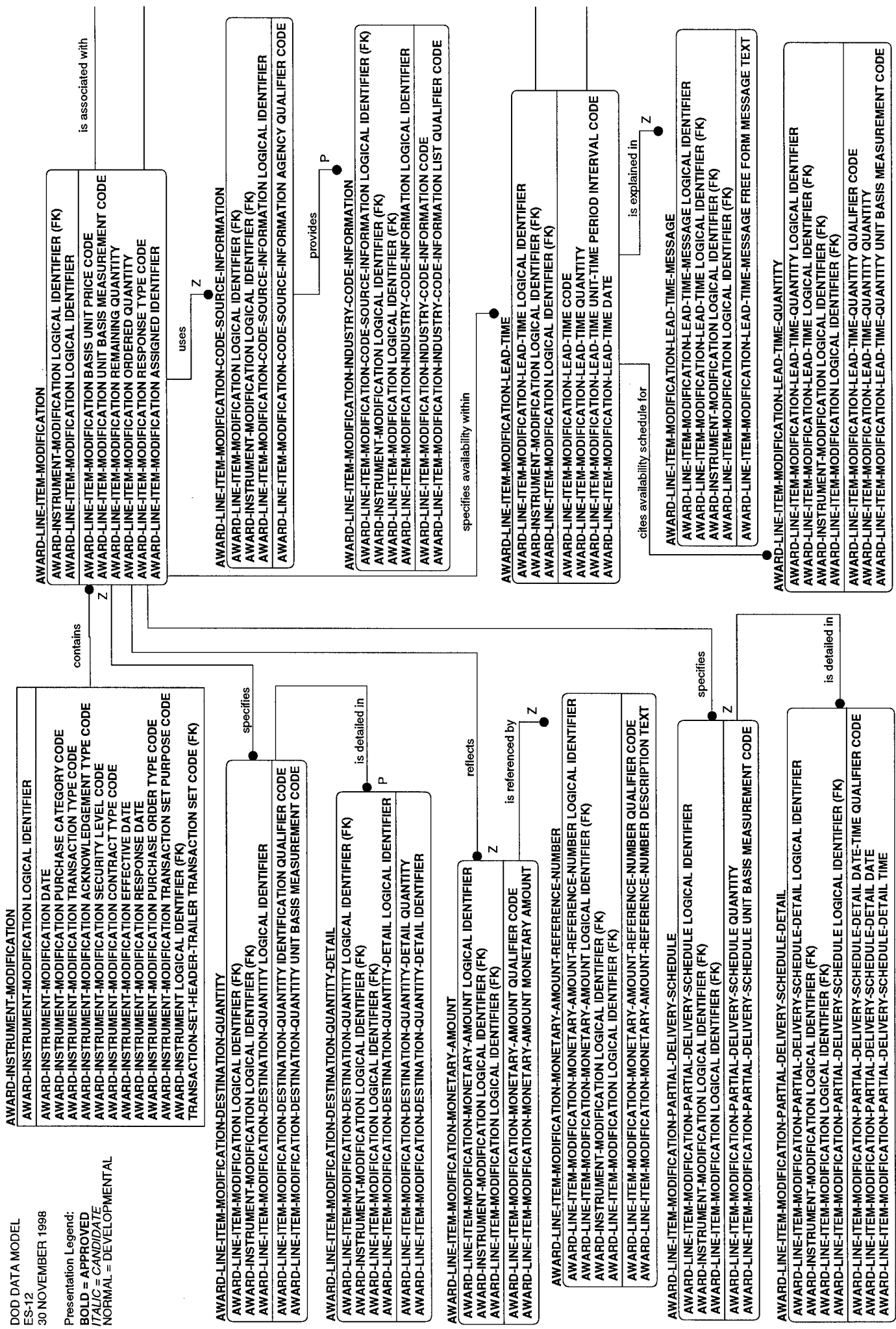
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL LOGICAL IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL UNIT BASIS MEASUREMENT CODE
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL QUANTITY
AWARD-LINE-ITEM-MODIFICATION-ADDITIONAL-ITEM-DETAIL CHANGE REASON CODE

AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING CODE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFICATION QUALIFIER CODE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-LINE-ITEM-MODIFICATION-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE

ES-12

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
 AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER
 AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME
 AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE

has clauses identified by

is contacted through

AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER
 AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER
 AWARD-LINE-ITEM-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE

Z

AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-REFERENCE-NUMBER
 AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-REFERENCE-NUMBER LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-REFERENCE-NUMBER QUALIFIER CODE
 AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-REFERENCE-NUMBER FREE FORM DESCRIPTION TEXT
 AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-REFERENCE-NUMBER DATE

is identified by

AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-REFERENCE-NUMBER
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-REFERENCE-NUMBER LOGICAL IDENTIFIER
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-REFERENCE-NUMBER QUALIFIER CODE
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-REFERENCE-NUMBER DESCRIPTION TEXT

uses

AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-CODE-SOURCE-REFERENCE-NUMBER
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-CODE-SOURCE-REFERENCE-NUMBER LOGICAL IDENTIFIER
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-CODE-SOURCE-REFERENCE-NUMBER AGENCY QUALIFIER CODE

is transmitted by

P

AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-INDUSTRY-CODE-REFERENCE-NUMBER
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-INDUSTRY-CODE-REFERENCE-NUMBER LOGICAL IDENTIFIER
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-CODE-SOURCE-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-INDUSTRY-CODE-REFERENCE-NUMBER LIST QUALIFIER CODE
 AWARD-LINE-ITEM-MODIFICATION-LEAD-TIME-INDUSTRY-CODE-REFERENCE-NUMBER DESCRIPTION TEXT

is described by

AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-MESSAGE
 AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-MESSAGE LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)
 AWARD-LINE-ITEM-MODIFICATION-CONTRACTUAL-MESSAGE FREE FORM MESSAGE TEXT

ES-13

DOD DATA MODEL
 ES-13
 30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL

AWARD-INSTRUMENT-MODIFICATION
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION DATE
 AWARD-INSTRUMENT-MODIFICATION PURCHASE CATEGORY CODE
 AWARD-INSTRUMENT-MODIFICATION TRANSACTION TYPE CODE
 AWARD-INSTRUMENT-MODIFICATION ACKNOWLEDGEMENT TYPE CODE
 AWARD-INSTRUMENT-MODIFICATION SECURITY LEVEL CODE
 AWARD-INSTRUMENT-MODIFICATION CONTRACT TYPE CODE
 AWARD-INSTRUMENT-MODIFICATION EFFECTIVE DATE
 AWARD-INSTRUMENT-MODIFICATION RESPONSE DATE
 AWARD-INSTRUMENT-MODIFICATION PURCHASE ORDER TYPE CODE
 AWARD-INSTRUMENT-MODIFICATION TRANSACTION SET PURPOSE CODE
 AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
 TRANSACTION-SET-HEADER-TRAILER TRANSACTION SET CODE (FK)

provides

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION FACILITY SECURITY LEVEL CODE
 AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION REPORT TYPE CODE
 AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION TRANSACTION SET PURPOSE CODE
 AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION REFERENCE NUMBER QUALIFIER CODE
 AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION DATA SECURITY LEVEL CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-MESSAGE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-MESSAGE LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-MESSAGE FREE FORM MESSAGE TEXT

is explained in

is defined by

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-REFERENCE-NUMBER

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-REFERENCE-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-REFERENCE-NUMBER IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-REFERENCE-NUMBER QUALIFIER CODE

is associated with

is associated with

is applicable within

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-DATE-TIME-REFERENCE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-DATE-TIME-REFERENCE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-DATE-TIME-REFERENCE DATE
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-DATE-TIME-REFERENCE QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION

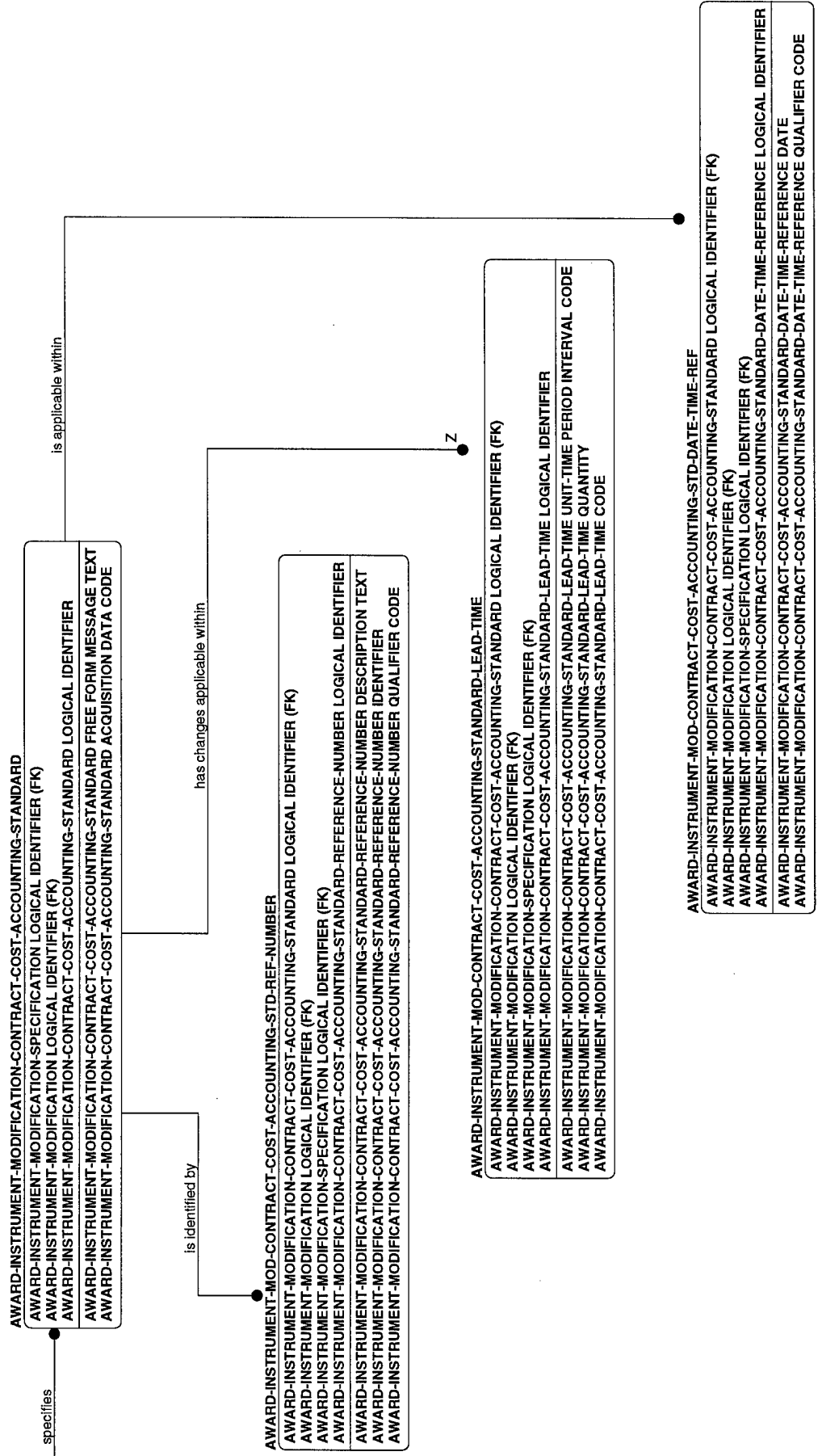
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION NAME
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION ENTITY-IDENTIFIER CODE

is located in

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION

AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION COUNTRY CODE
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION STATE PROVINCE CODE
AWARD-INSTRUMENT-MODIFICATION-SPECIFICATION-GEOGRAPHIC-LOCATION CITY NAME

Z



ES-14

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL

AWARD-INSTRUMENT-MODIFICATION
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION DATE
AWARD-INSTRUMENT-MODIFICATION PURCHASE CATEGORY CODE
AWARD-INSTRUMENT-MODIFICATION TRANSACTION TYPE CODE
AWARD-INSTRUMENT-MODIFICATION ACKNOWLEDGEMENT TYPE CODE
AWARD-INSTRUMENT-MODIFICATION SECURITY LEVEL CODE
AWARD-INSTRUMENT-MODIFICATION CONTRACT TYPE CODE
AWARD-INSTRUMENT-MODIFICATION EFFECTIVE DATE
AWARD-INSTRUMENT-MODIFICATION RESPONSE DATE
AWARD-INSTRUMENT-MODIFICATION PURCHASE ORDER TYPE CODE
AWARD-INSTRUMENT-MODIFICATION TRANSACTION SET PURPOSE CODE
AWARD-INSTRUMENT LOGICAL IDENTIFIER (FK)
TRANSACTION-SET-HEADER-TRAILER TRANSACTION SET CODE (FK)

is associated with

AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION NAME
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION ENTITY-IDENTIFIER CODE

is associated with

AWARD-INSTRUMENT-MOD-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME
AWARD-INSTRUMENT-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE

is associated with

is contacted through

P

AWARD-INSTRUMENT-MOD-NAME-ADMIN-COMMUNICATION-CONTACT-NUMBER
AWARD-INSTRUMENT-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-ADDITIONAL-NAME-INFORMATION
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-ADDITIONAL-NAME-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-ADDITIONAL-NAME-INFORMATION NAME

has

AWARD-INSTRUMENT-MOD-NAME-CARRIER-DETAIL-SPECIAL-HANDLING
AWARD-INSTRUMENT-MODIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-SPECIAL-HANDLING CODE

specifies

specifies

is located in

AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER DESCRIPTION TEXT
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER QUALIFIER CODE

is referenced by

AWARD-INSTRUMENT-MODIFICATION-ADDRESS-INFORMATION
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-ADDRESS-INFORMATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-ADDRESS-INFORMATION IDENTIFIER

uses

AWARD-INSTRUMENT-MODIFICATION-GEOGRAPHIC-LOCATION
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-GEOGRAPHIC-LOCATION LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-GEOGRAPHIC-LOCATION IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-GEOGRAPHIC-LOCATION QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-GEOGRAPHIC-LOCATION COUNTRY CODE
AWARD-INSTRUMENT-MODIFICATION-GEOGRAPHIC-LOCATION STATE PROVINCE CODE
AWARD-INSTRUMENT-MODIFICATION-GEOGRAPHIC-LOCATION CITY NAME

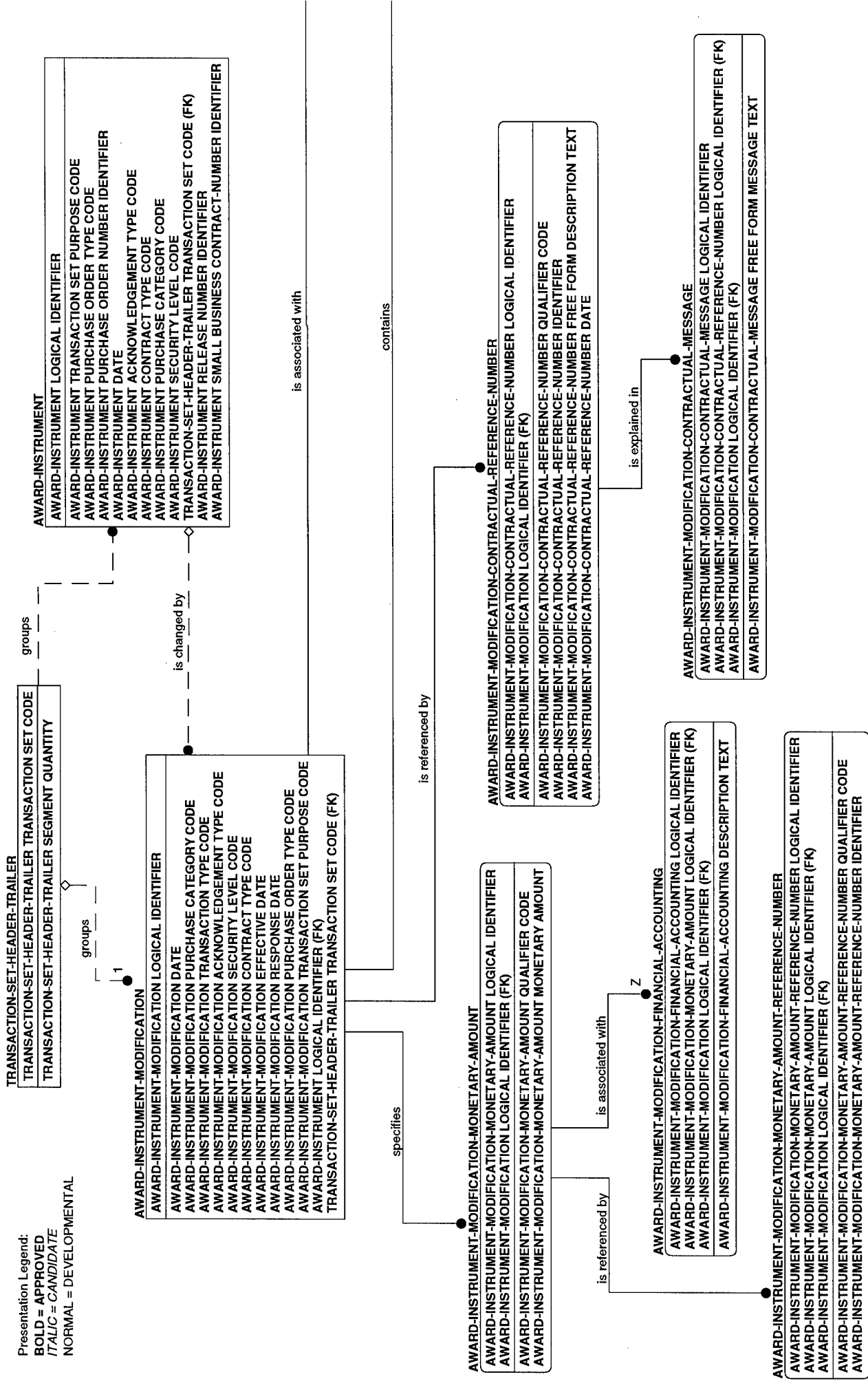
AWARD-INSTRUMENT-MODIFICATION-NAME-MARKING-PACKAGING-LOADING
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-NAME-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-MARKING-PACKAGING-LOADING DESCRIPTION TEXT
AWARD-INSTRUMENT-MODIFICATION-NAME-MARKING-PACKAGING-LOADING DESCRIPTION CODE
AWARD-INSTRUMENT-MODIFICATION-NAME-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
AWARD-INSTRUMENT-MODIFICATION-NAME-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
AWARD-INSTRUMENT-MODIFICATION-NAME-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE

cites compliances for

AWARD-INSTRUMENT-MOD-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE
AWARD-INSTRUMENT-MODIFICATION-NAME-REFERENCE-NUMBER LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE SERVICE LEVEL CODE
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE TRANSPORTATION METHOD TYPE CODE
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-NAME-CARRIER-DETAIL-ROUTING-SEQUENCE QUALIFIER CODE

ES-15

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



AWARD-INSTRUMENT-MOD-ADMINISTRATIVE-COMMUNICATION-CONTACT
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT FUNCTION CODE
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT INQUIRY REFERENCE IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT NAME

is contacted through

P

AWARD-INSTRUMENT-MOD-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT LOGICAL IDENTIFIER
AWARD-INSTRUMENT-MODIFICATION-ADMINISTRATIVE-COMMUNICATION-CONTACT-NUMBER QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-CODE-SOURCE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-CODE-SOURCE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE
AWARD-INSTRUMENT-MODIFICATION-CODE-SOURCE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE

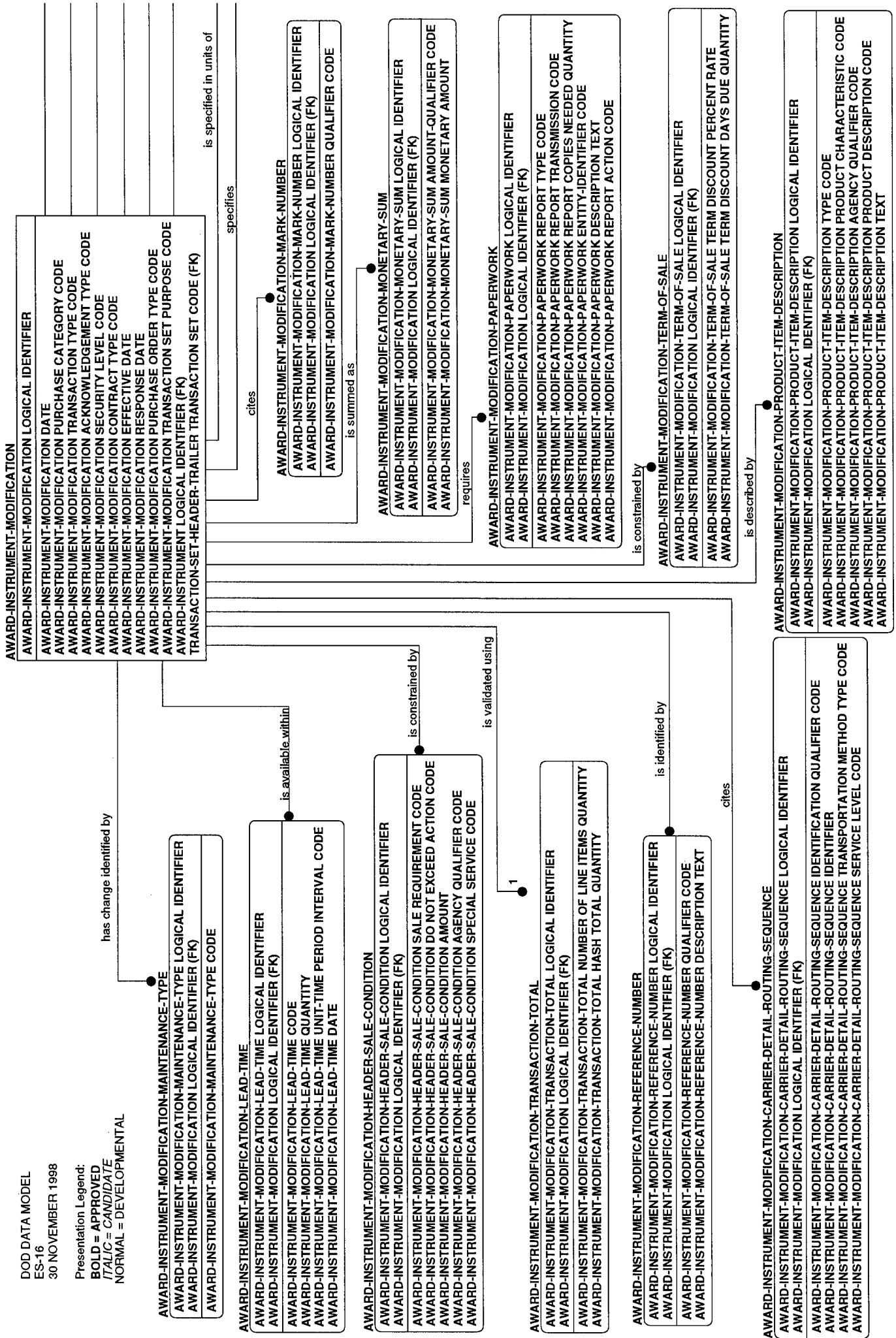
provides

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AWARD-INSTRUMENT-MODIFICATION-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE
AWARD-INSTRUMENT-MODIFICATION-CODE-SOURCE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE
AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
AWARD-INSTRUMENT-MODIFICATION-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE
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AWARD-INSTRUMENT-MODIFICATION-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE-INDUSTRY-CODE

ES-16

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



is assigned liability through

specifies

is subject to

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION SHIPMENT METHOD PAYMENT CODE

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION LOCATION QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-FREE-ON-BOARD-RELATED-INSTRUCTION ACCEPTANCE LOCATION QUALIFIER CODE

Z

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY BUYER ENTITY IDENTIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY BUYER CURRENCY CODE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY EXCHANGE RATE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY PAYER ENTITY IDENTIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-FOREIGN-CURRENCY PAYER CURRENCY CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE INDICATOR CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE AMOUNT

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE PERCENT RATE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT-RATE AMOUNT

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UNIT BASIS MEASUREMENT CODE

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE QUANTITY

AWARD-INSTRUMENT-MODIFICATION-SERVICE-PROMOTION-ALLOWANCE-CHARGE UPPER LIMIT QUANTITY

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT REFERENCE IDENTIFICATION CODE

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT QUANTITY-UNIT BASIS MEASUREMENT CODE

AWARD-INSTRUMENT-MODIFICATION-MEASUREMENT TIME-UNIT BASIS MEASUREMENT CODE

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING LOGICAL IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING CODE

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL QUALIFIER CODE

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING HAZARDOUS MATERIAL CLASS IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-CARRIER-DETAIL-SPECIAL-HANDLING DESCRIPTION TEXT

has delivery time based upon

requires

must follow

AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE

AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE QUALIFIER CODE
 AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE DATE
 AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE TIME
 AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE TIME-QUALIFIER CODE
 AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE PERIOD FORMAT QUALIFIER CODE
 AWARD-INSTRUMENT-MODIFICATION-DATE-TIME-REFERENCE PERIOD IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION

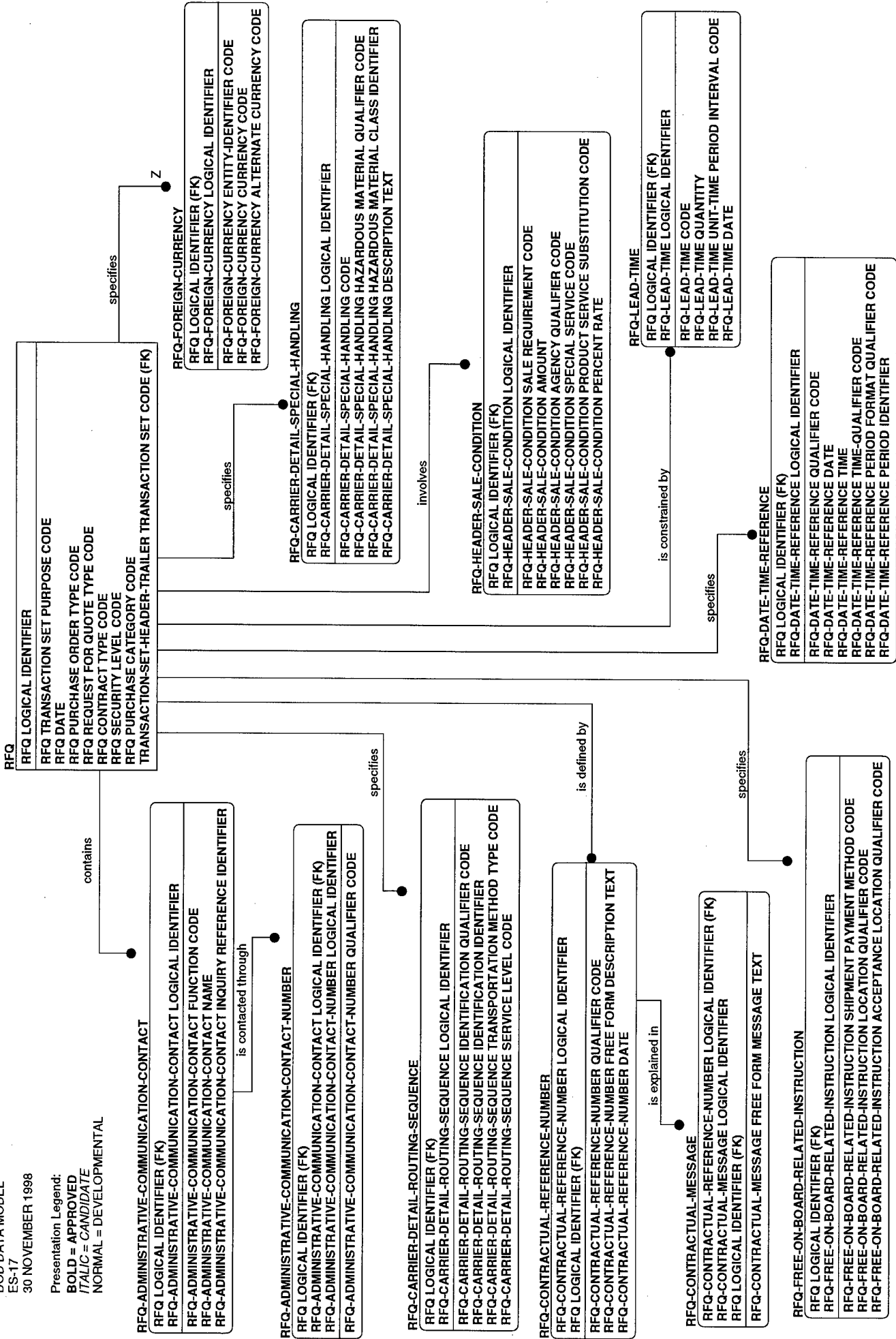
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 AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION TAX TYPE CODE
 AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION MONETARY AMOUNT
 AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION PERCENT RATE
 AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION TAX EXEMPT CODE
 AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION RELATIONSHIP CODE
 AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION DOLLAR BASIS PERCENT AMOUNT
 AWARD-INSTRUMENT-MODIFICATION-TAX-INFORMATION ASSIGNED IDENTIFIER

AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING

AWARD-INSTRUMENT-MODIFICATION LOGICAL IDENTIFIER (FK)
 AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING LOGICAL IDENTIFIER
 AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING ITEM DESCRIPTION TYPE CODE
 AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING PACKAGING CHARACTERISTIC CODE
 AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING AGENCY QUALIFIER CODE
 AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING PACKAGING DESCRIPTION CODE
 AWARD-INSTRUMENT-MODIFICATION-MARKING-PACKAGING-LOADING DESCRIPTION TEXT

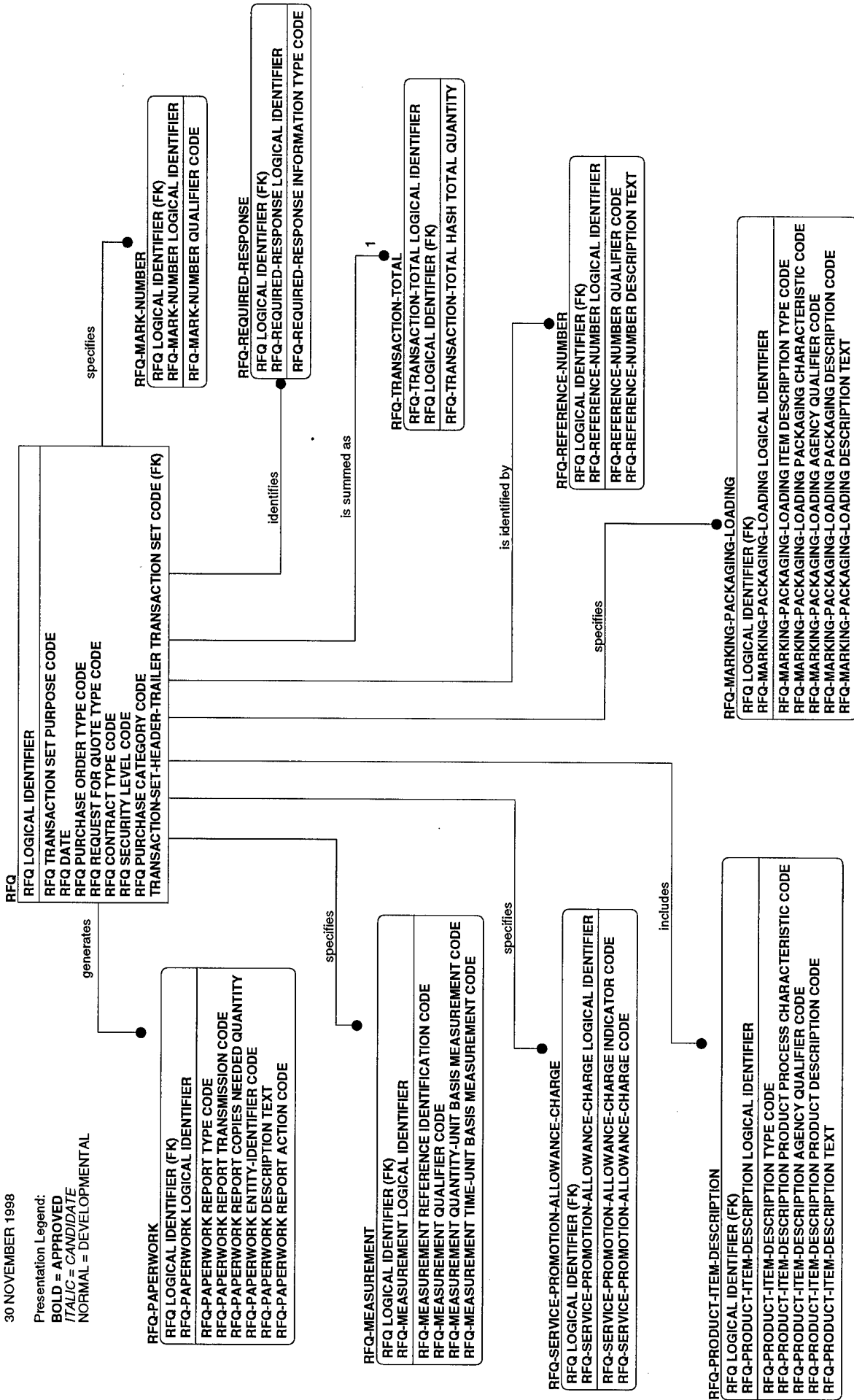
ES-17

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



ES-18

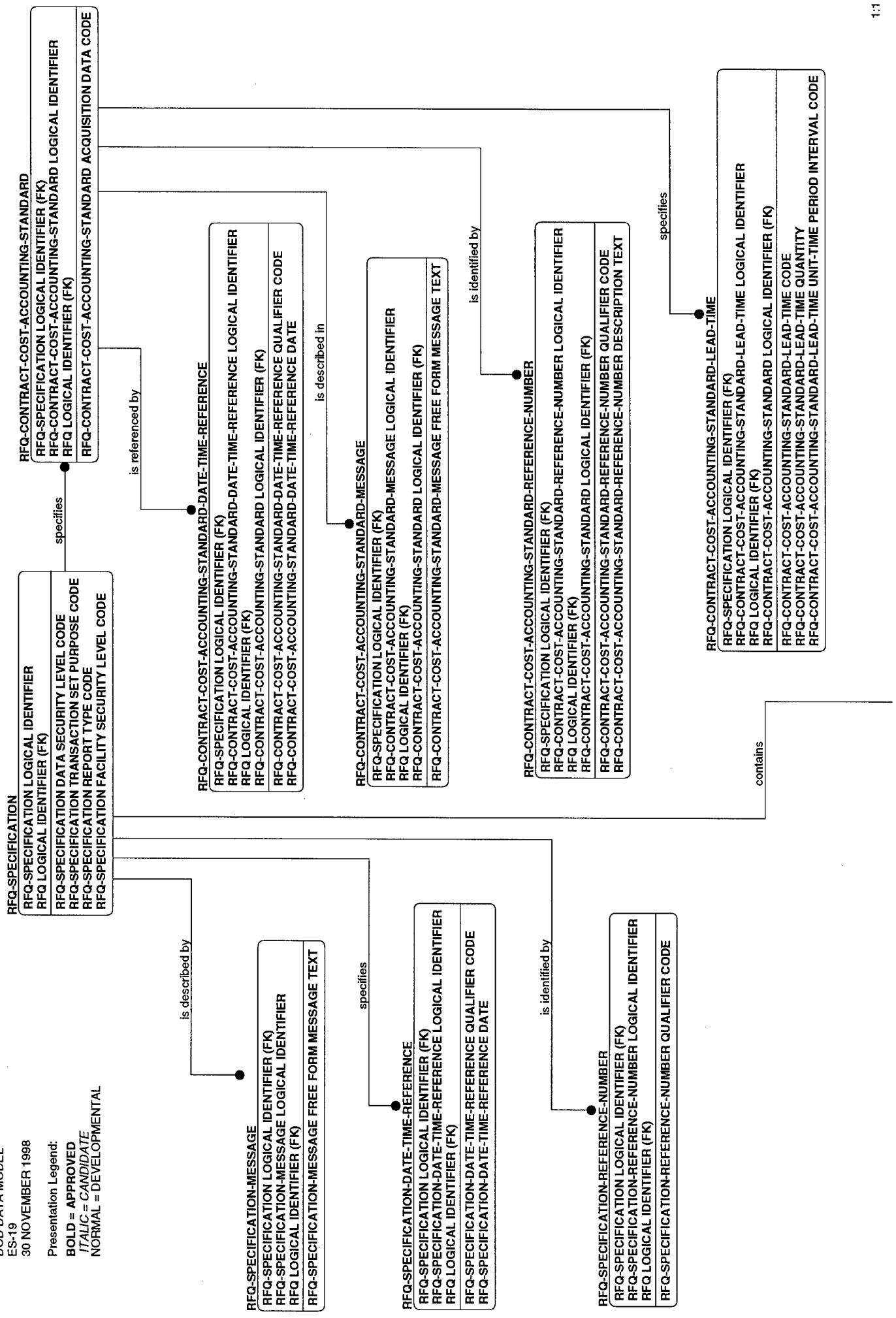
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



ES-19

DOD DATA MODEL
ES-19
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL



RFQ-SPECIFICATION-NAME-INFORMATION
 RFQ-SPECIFICATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER
 RFQ LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-NAME-ENTITY-IDENTIFIER CODE
 RFQ-SPECIFICATION-NAME-INFORMATION NAME
 RFQ-SPECIFICATION-NAME-INFORMATION IDENTIFICATION QUALIFIER CODE
 RFQ-SPECIFICATION-NAME-INFORMATION IDENTIFICATION IDENTIFIER

is located in

RFQ-SPECIFICATION-GEOGRAPHIC-LOCATION
 RFQ-SPECIFICATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-GEOGRAPHIC-LOCATION LOGICAL IDENTIFIER
 RFQ LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-GEOGRAPHIC-LOCATION CITY NAME
 RFQ-SPECIFICATION-GEOGRAPHIC-LOCATION STATE PROVINCE CODE
 RFQ-SPECIFICATION-GEOGRAPHIC-LOCATION POSTAL CODE
 RFQ-SPECIFICATION-GEOGRAPHIC-LOCATION COUNTRY CODE
 RFQ-SPECIFICATION-GEOGRAPHIC-LOCATION QUALIFIER CODE
 RFQ-SPECIFICATION-GEOGRAPHIC-LOCATION IDENTIFIER

is described in

RFQ-SPECIFICATION-NAME-MESSAGE
 RFQ-SPECIFICATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-NAME-MESSAGE LOGICAL IDENTIFIER
 RFQ LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-NAME-MESSAGE FREE FORM MESSAGE TEXT

provides

RFQ-SPECIFICATION-CONTACT
 RFQ-SPECIFICATION-CONTACT LOGICAL IDENTIFIER
 RFQ-SPECIFICATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 RFQ LOGICAL IDENTIFIER (FK)
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 RFQ-SPECIFICATION-CONTACT NAME
 RFQ-SPECIFICATION-CONTACT INQUIRY REFERENCE IDENTIFIER

contains

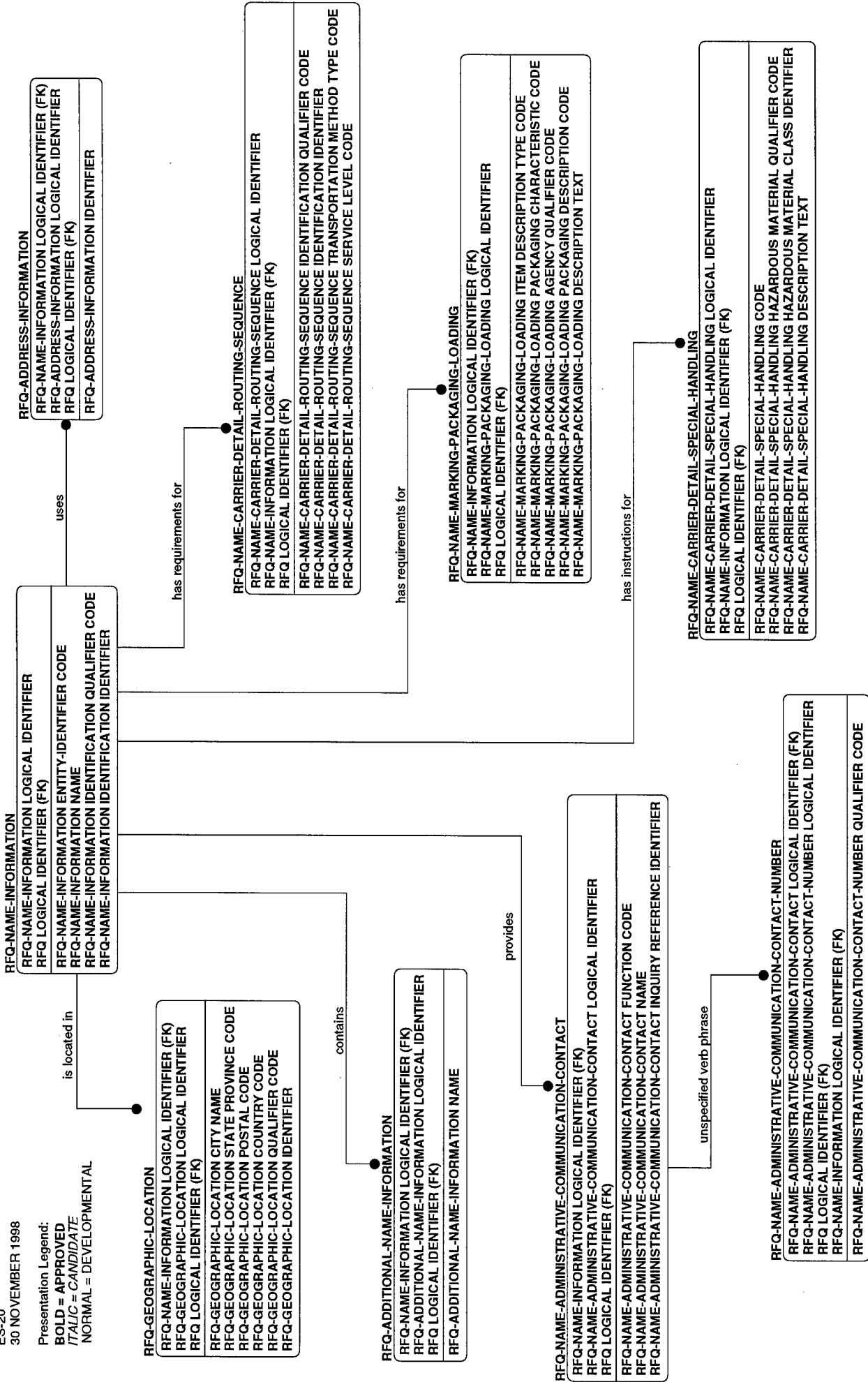
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 RFQ-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-ADDITIONAL-NAME-INFORMATION LOGICAL IDENTIFIER
 RFQ LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-ADDITIONAL-NAME-INFORMATION NAME

uses

RFQ-SPECIFICATION-ADDRESS-INFORMATION
 RFQ-SPECIFICATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-ADDRESS-INFORMATION LOGICAL IDENTIFIER
 RFQ LOGICAL IDENTIFIER (FK)
 RFQ-SPECIFICATION-ADDRESS-INFORMATION IDENTIFIER

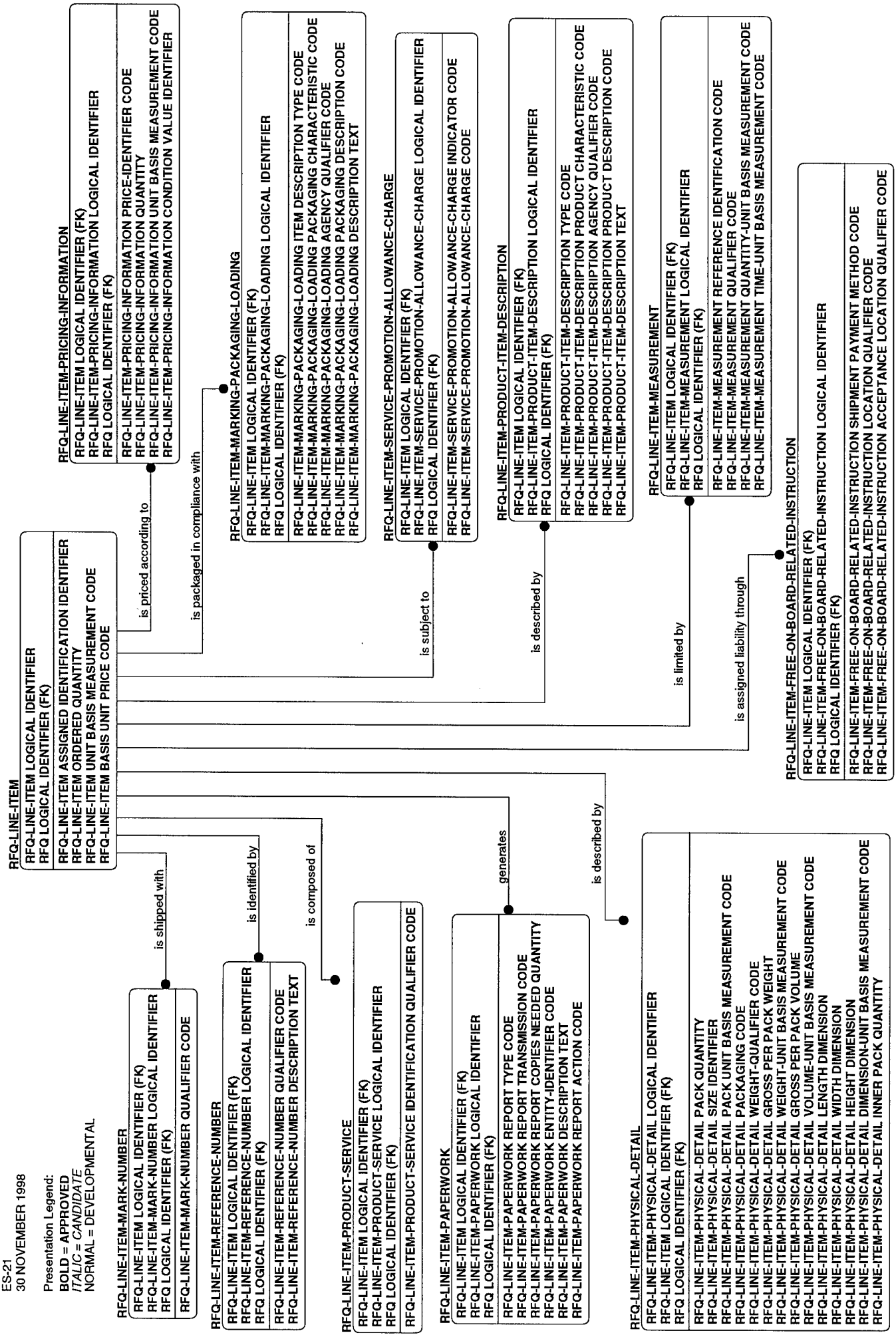
ES-20

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



ES-21

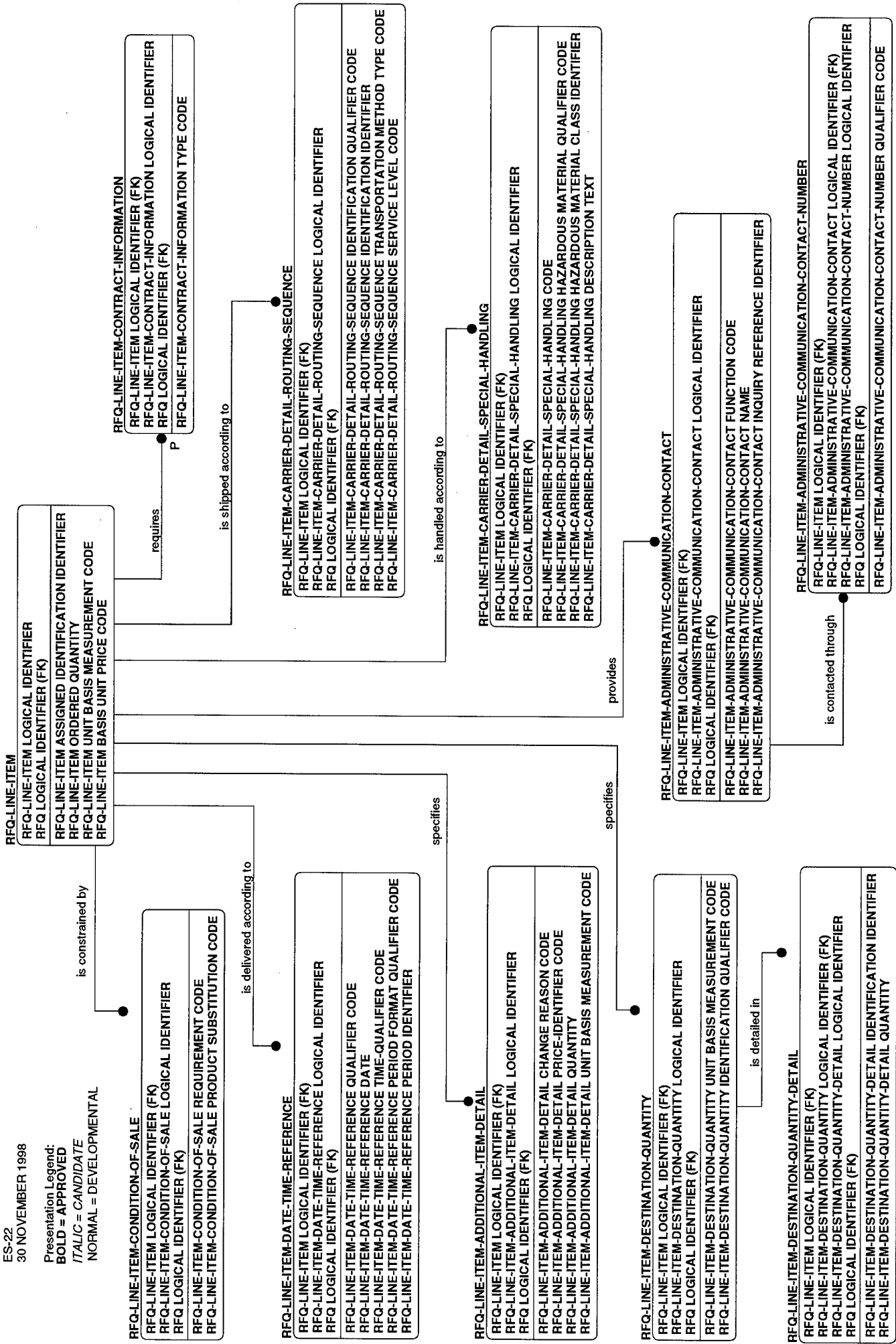
Presentation Legend:
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ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



ES-22

DOD DATA MODEL
 ES-22
 30 NOVEMBER 1998

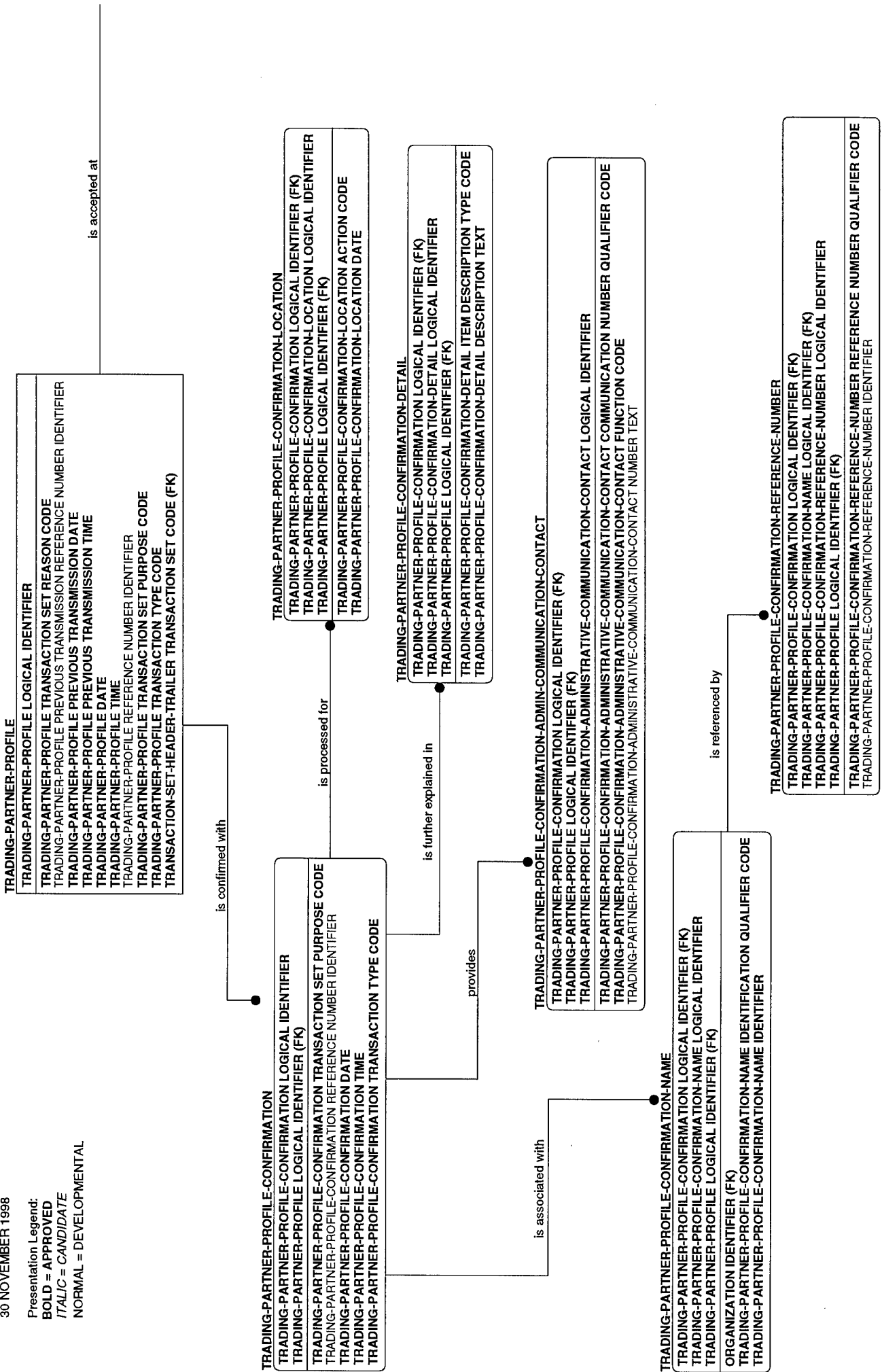
Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



ES-23

DOD DATA MODEL
 ES-23
 30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TRADING-PARTNER-PROFILE-LOCATION

TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION ENTITY CODE
TRADING-PARTNER-PROFILE-LOCATION ACTION CODE
TRADING-PARTNER-PROFILE-LOCATION DATE

is supported by

is associated with

TRADING-PARTNER-PROFILE-NAME-INFORMATION
TRADING-PARTNER-PROFILE-NAME-INFORMATION LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER (FK)

ORGANIZATION IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-NAME-INFORMATION ENTITY CODE
TRADING-PARTNER-PROFILE-NAME-INFORMATION NAME
TRADING-PARTNER-PROFILE-NAME-INFORMATION IDENTIFICATION QUALIFIER CODE
TRADING-PARTNER-PROFILE-NAME-INFORMATION IDENTIFIER

TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER (FK)

TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT COMMUNICATION ENVIRONMENT CODE
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT COMMUNICATION NUMBER QUALIFIER CODE
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT COMMUNICATION NUMBER TEXT

is associated with

TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT-NAME

TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT-NAME LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT-NAME ENTITY CODE
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT-NAME NAME

is identified by

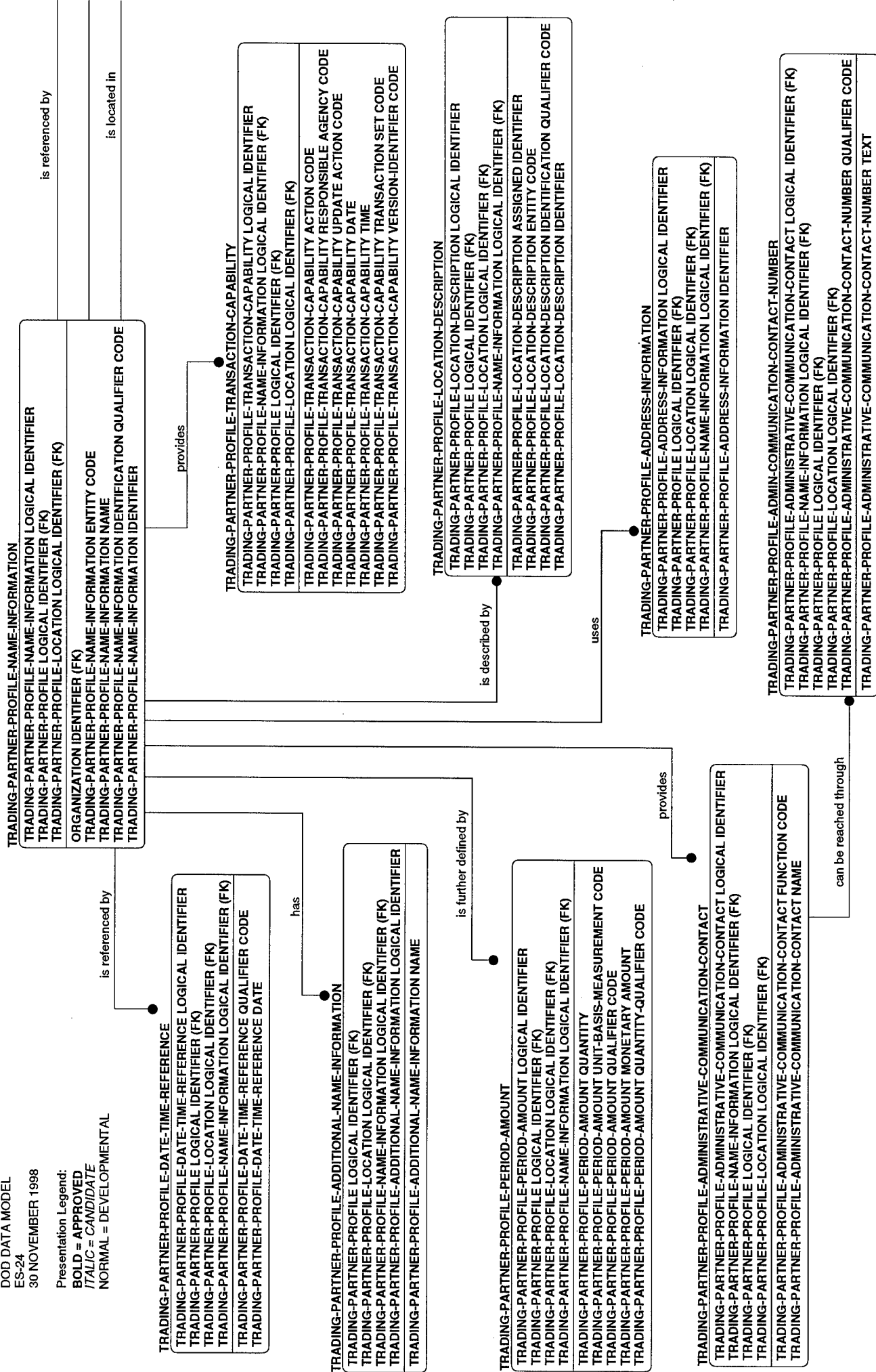
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT-REF-NUMBER

TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT-REFERENCE-NUMBER LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT-REFERENCE-NUMBER DESCRIPTION TEXT
TRADING-PARTNER-PROFILE-ELECTRONIC-SYSTEM-ENVIRONMENT-REFERENCE-NUMBER QUALIFIER CODE

ES-24

DOD DATA MODEL
 ES-24
 30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



TRADING-PARTNER-PROFILE-REFERENCE-NUMBER

TRADING-PARTNER-PROFILE-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-REFERENCE-NUMBER LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE-REFERENCE-NUMBER DESCRIPTION TEXT
TRADING-PARTNER-PROFILE-REFERENCE-NUMBER IDENTIFIER
TRADING-PARTNER-PROFILE-REFERENCE-NUMBER REFERENCE NUMBER QUALIFIER CODE

TRADING-PARTNER-PROFILE-DETAIL

TRADING-PARTNER-PROFILE-DETAIL LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-DETAIL COMMODITY QUALIFIER CODE
TRADING-PARTNER-PROFILE-DETAIL COMMODITY IDENTIFIER
TRADING-PARTNER-PROFILE-DETAIL DESCRIPTION TEXT
TRADING-PARTNER-PROFILE-DETAIL ITEM DESCRIPTION TYPE CODE

provides

is referenced by

TRADING-PARTNER-PROFILE-GEOGRAPHIC-LOCATION

TRADING-PARTNER-PROFILE-GEOGRAPHIC-LOCATION LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-GEOGRAPHIC-LOCATION CITY NAME
TRADING-PARTNER-PROFILE-GEOGRAPHIC-LOCATION STATE PROVINCE CODE
TRADING-PARTNER-PROFILE-GEOGRAPHIC-LOCATION POSTAL CODE
TRADING-PARTNER-PROFILE-GEOGRAPHIC-LOCATION QUALIFIER CODE
TRADING-PARTNER-PROFILE-GEOGRAPHIC-LOCATION IDENTIFIER
TRADING-PARTNER-PROFILE-GEOGRAPHIC-LOCATION COUNTRY CODE

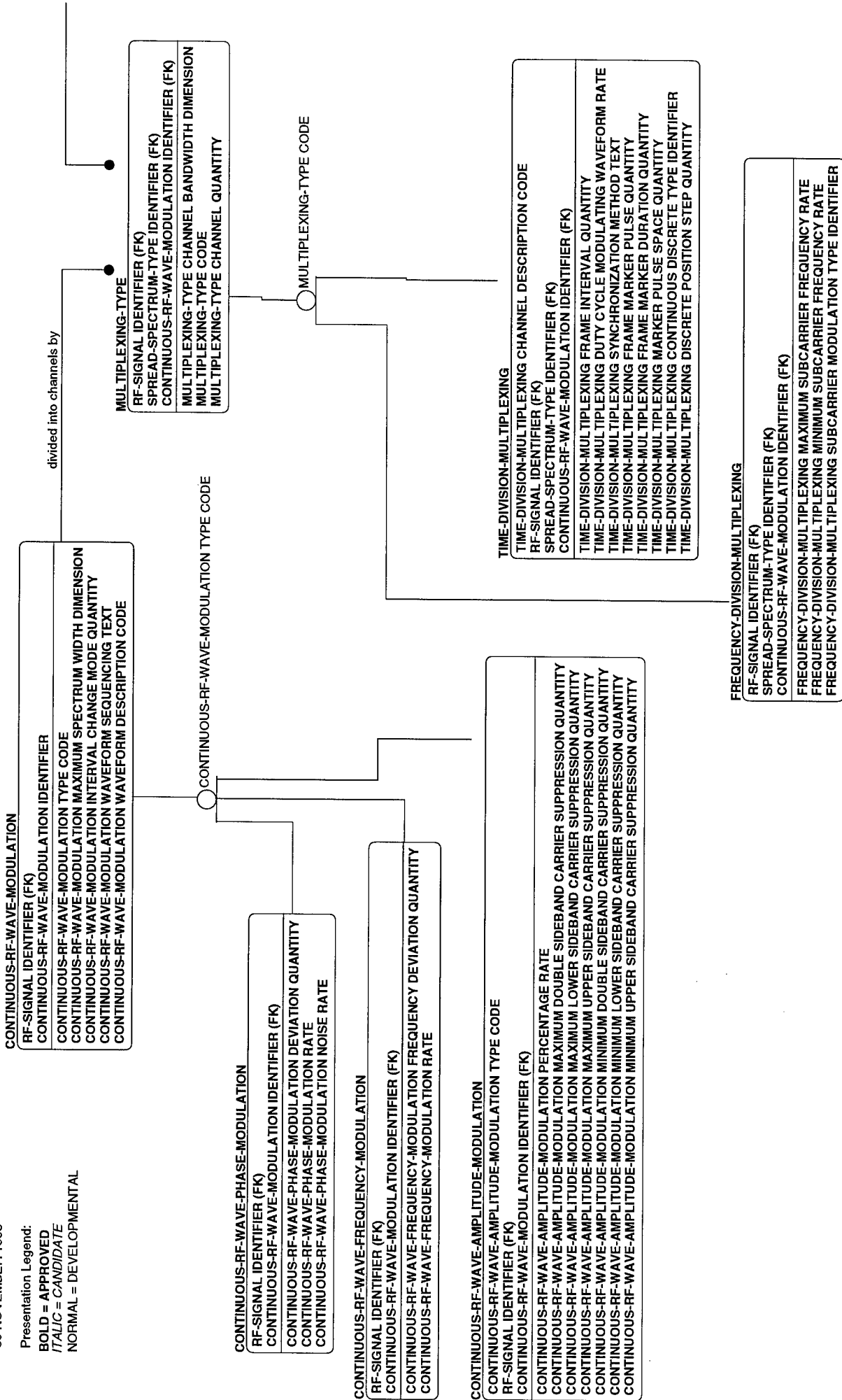
TRADING-PARTNER-PROFILE-DETAIL-DATE-TIME-REFERENCE

TRADING-PARTNER-PROFILE-DETAIL-DATE-TIME-REFERENCE LOGICAL IDENTIFIER
TRADING-PARTNER-PROFILE LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-LOCATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-NAME-INFORMATION LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-DETAIL LOGICAL IDENTIFIER (FK)
TRADING-PARTNER-PROFILE-DETAIL-DATE-TIME-REFERENCE QUALIFIER CODE
TRADING-PARTNER-PROFILE-DETAIL-DATE-TIME-REFERENCE DATE

ES-25

DOD DATA MODEL
 ES-25
 30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



RF-SIGNAL
 RF-SIGNAL IDENTIFIER
 RF-SIGNAL FREQUENCY RATE
 RF-SIGNAL TYPE CODE

transmitted by

SPREAD-SPECTRUM-TYPE
 RF-SIGNAL IDENTIFIER (FK)
 SPREAD-SPECTRUM-TYPE IDENTIFIER
 SPREAD-SPECTRUM-TYPE BANDWIDTH DIMENSION
 SPREAD-SPECTRUM-TYPE BURST DURATION QUANTITY
 SPREAD-SPECTRUM-TYPE BLOCK LENGTH DIMENSION
 SPREAD-SPECTRUM-TYPE CHANNEL SPACING DIMENSION
 SPREAD-SPECTRUM-TYPE CHIP RATE
 SPREAD-SPECTRUM-TYPE PROCESS GAIN QUANTITY
 SPREAD-SPECTRUM-TYPE SYNCHRONIZATION TECHNIQUE CODE
 SPREAD-SPECTRUM-TYPE CODE

divided into channels by

SPREAD-SPECTRUM-TYPE CODE

SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION

RF-SIGNAL IDENTIFIER (FK)
 SPREAD-SPECTRUM-TYPE IDENTIFIER (FK)

SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION HOPPING PERIOD QUANTITY
 SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION BANDWIDTH DIMENSION
 SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION DWELL INTERVAL DURATION QUANTITY
 SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION FREQUENCY DEVIATION RISE FALL QUANTITY
 SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION GATE LENGTH DURATION QUANTITY
 SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION CHANNEL QUANTITY
 SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION SLOT QUANTITY
 SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION GUARDBAND FREQUENCY QUANTITY
 SPREAD-SPECTRUM-FREQUENCY-HOPPING-MODULATION REPETITION RATE

SPREAD-SPECTRUM-CHIRP-MODULATION

RF-SIGNAL IDENTIFIER (FK)
 SPREAD-SPECTRUM-TYPE IDENTIFIER (FK)

SPREAD-SPECTRUM-CHIRP-MODULATION MINIMUM FREQUENCY SHIFT QUANTITY
 SPREAD-SPECTRUM-CHIRP-MODULATION MAXIMUM FREQUENCY SHIFT QUANTITY
 SPREAD-SPECTRUM-CHIRP-MODULATION RATE
 SPREAD-SPECTRUM-CHIRP-MODULATION GUARDBAND FREQUENCY QUANTITY

SPREAD-SPECTRUM-DIRECT-SEQUENCE-MODULATION

RF-SIGNAL IDENTIFIER (FK)
 SPREAD-SPECTRUM-TYPE IDENTIFIER (FK)

SPREAD-SPECTRUM-DIRECT-SEQUENCE-MODULATION BANDWIDTH DIMENSION
 SPREAD-SPECTRUM-DIRECT-SEQUENCE-MODULATION GUARDBAND FREQUENCY QUANTITY

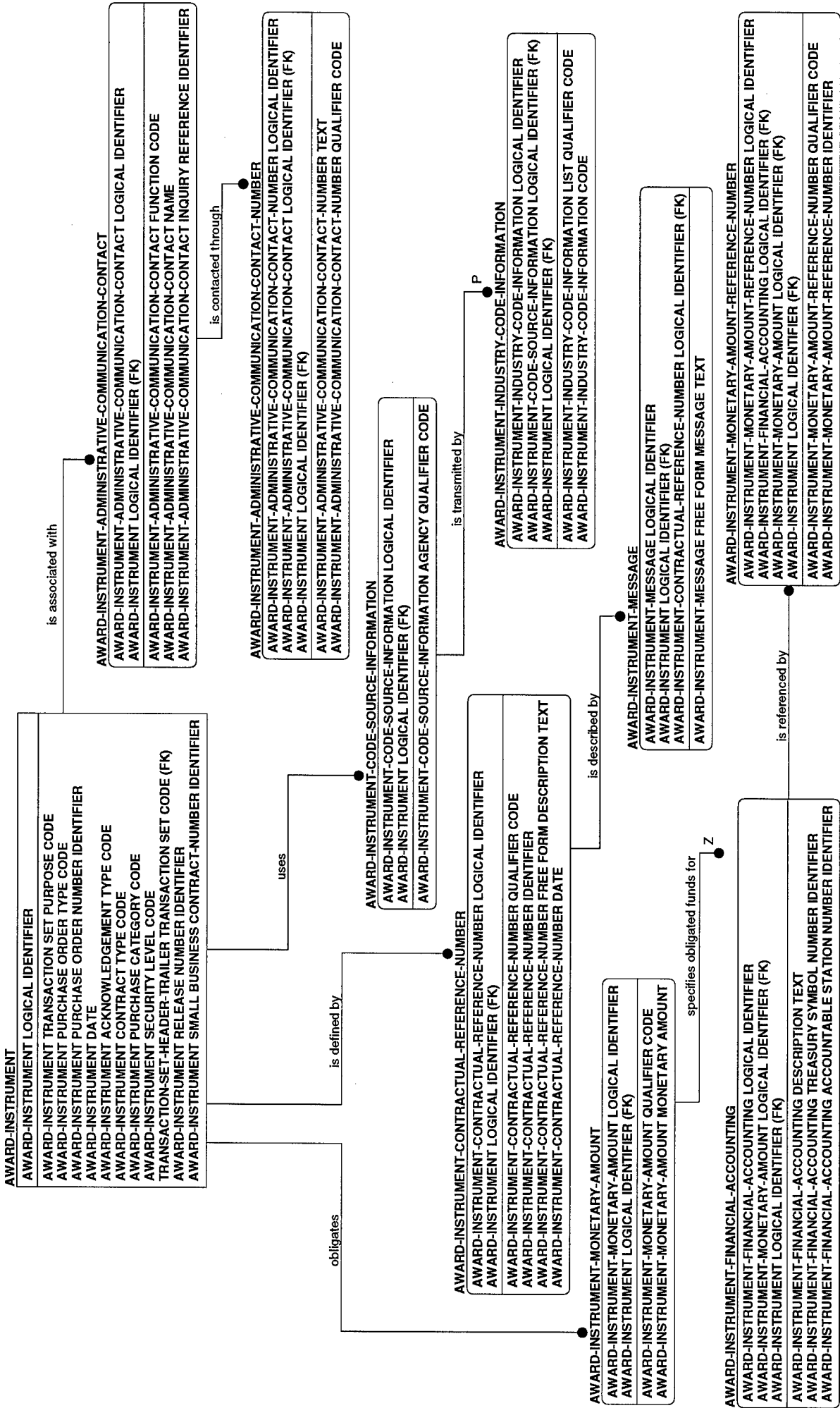
SPREAD-SPECTRUM-TIME-HOPPING-MODULATION

RF-SIGNAL IDENTIFIER (FK)
 SPREAD-SPECTRUM-TYPE IDENTIFIER (FK)

SPREAD-SPECTRUM-TIME-HOPPING-MODULATION REPETITION RATE
 SPREAD-SPECTRUM-TIME-HOPPING-MODULATION GUARDBAND INTERVAL QUANTITY
 SPREAD-SPECTRUM-TIME-HOPPING-MODULATION SLOT LENGTH DURATION QUANTITY

ES-26

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
 NORMAL = DEVELOPMENTAL



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DOD DATA MODEL
ES-27
30 NOVEMBER 1998

Presentation Legend:
BOLD = APPROVED
ITALIC = CANDIDATE
NORMAL = DEVELOPMENTAL

