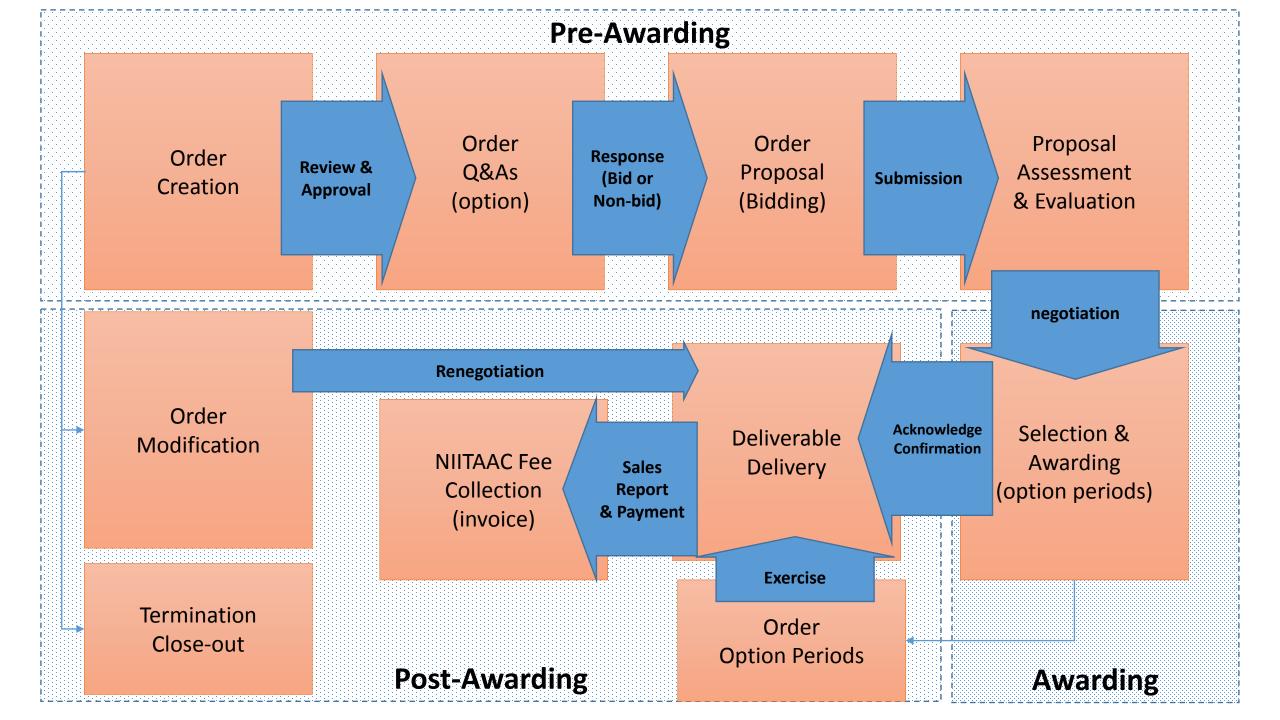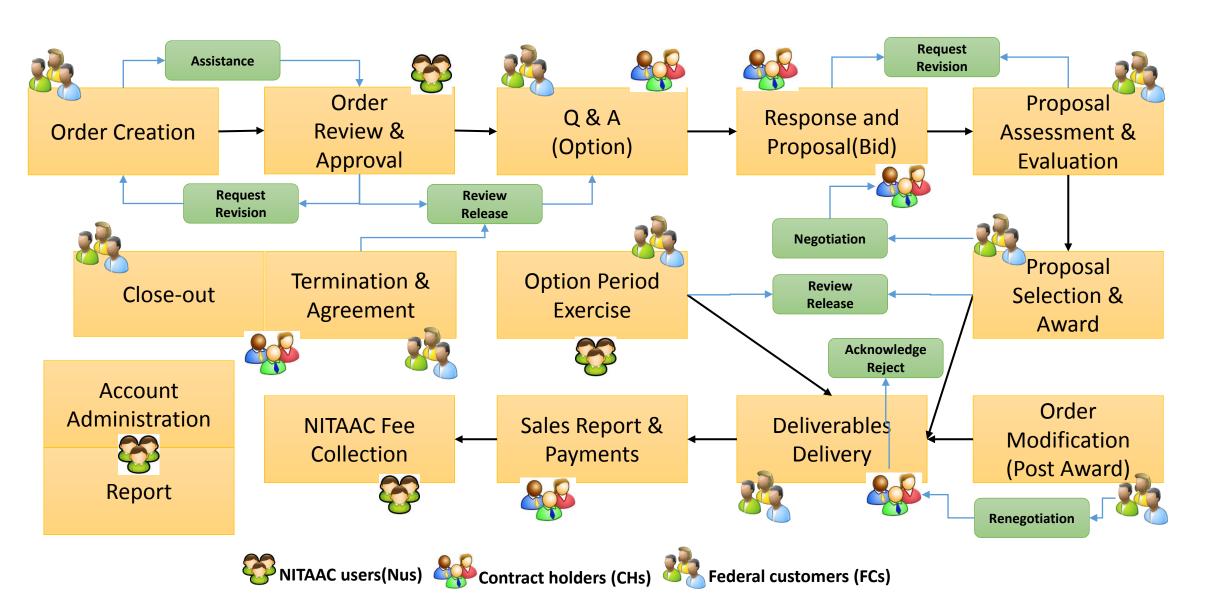# An Overview for NITAAC Data Model

Overview

- Data Model Objectives
    - Meet NITAAC business growing needs with FAR Compliance
    - Modernize current DB with no binding to specific products
    - Domain and business workflow based Data Model
    - Cloud Applicable Implementation (Support Services, Object Models)
    - Enable repeatable and transparent data migration from current database
    - Technically, scope covers
        - Application domains/modules
        - Application Services
        - System maintenances
        - Integration for interoperability to external NITAAC Systems such as NITAAC Web Site, CRMs (Salesforce), ADFS (NIH ADS/LDAP), SharePoint, and Report tools
        - Knowledge Base (KB) Center

NITAAC IDIQ Major Business Processes

NITAAC Data Model Based NITAAC Major Processes

Pre-Awarding

Order Creation → **Review & Approval** → Order Q&As (option) → **Response (Bid or Non-bid)** → Order Proposal (Bidding) → **Submission** → Proposal Assessment & Evaluation

negotiation

Post-Awarding

Order Modification

Renegotiation

NIITAAC Fee Collection (invoice) ← **Sales Report & Payment** ← Deliverable Delivery ← **Acknowledge Confirmation** ← Selection & Awarding (option periods)

Awarding

Termination Close-out

Exercise

Order Option Periods

NITAAC eGOS Major Business Process Details
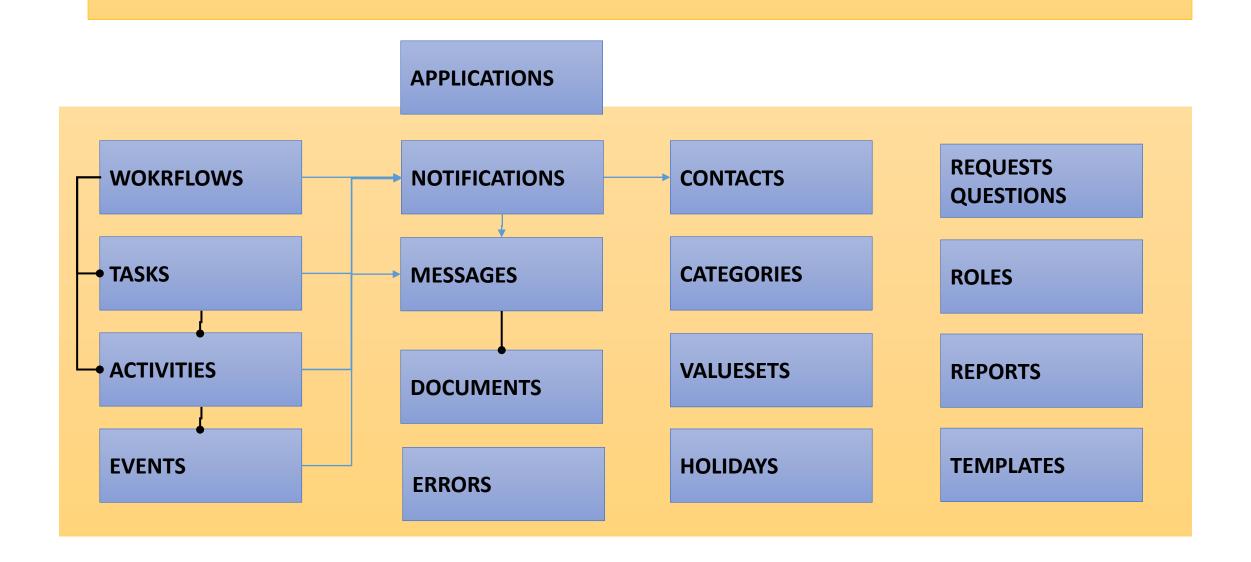
Data Model Covered Areas

- Data Model are divided into different layers
  - COMMON STANDARD – Code based classes
  - COMMON – Common used entities for all services and applications
  - DOMAIN FOR NITAAC
    - DOM-COMMON – includes all NITAAC based references
    - DOM-ORDER
    - DOM-PROPOSAL
    - DOM-AWARD
    - DOM-FINANCE
    - DOM-REFERENCE - NITAAC Referenced Standards
    - DOM-SECURITY – Role based Access, ACLs
    - DOM-ORGANIZATION-GROUP
    - DOM-NOTIFICATION-MESSAGE
    - DOM-PERSON-USER
  - SERVICES – log/audit, workflows, messaging, events, tasks and activity services, as well as emails
  - REPORTS – finance of sales and payment, administrative and ad hoc reports for order/awards,
  - APPLICATION SPECIFIC – SP3/SP3SB, CS/GSS, Reports, Shopping Cart, and User Requests/Admin

COMMON_STANDARDS

APPLICATIONS

WOKRFLOWS

NOTIFICATIONS

CONTACTS

REQUESTS QUESTIONS

TASKS

MESSAGES

CATEGORIES

ROLES

ACTIVITIES

DOCUMENTS

VALUESETS

REPORTS

EVENTS

ERRORS

HOLIDAYS

TEMPLATES

CONTRACTS

REF_NITAAC_DEFINITIONS

CONTRACT GWAC/TYPE

ORGANIZATION

CONTRACTS

GROUP_ORGANITATIONS

CONTRACT DETAILS

GROUP_PERSONS

DOM_COMMON

ORGANIZATIONS

CONTACTS

PERSONS

USERS

APPLICATIONS

GROUPS

ROLES

ORGANIZATION ROLES

GROUP ROLES

USER ROLES

PERSON ROLES

REFERENCES

REF_OEM_MFR

REF_UPC_INFO

REF_NITAAC CLINS

REF_NITAAC_OFFER_TYPE

APPLICATIONS

REF_NITAAC_FEE RATES

REF_NITAAC_DEFINITIONS

REF_COMMODITY_CLINS

REF_CATEGORY_COMMODITY

REF_STATE_COUNTRIES

CONTRACTOR LAB RATES

GSS_CLINS

REF_LABOR CATEGORIES

REF_LABOR RATES

CODE_HOLIDAIES

FINANCES

NOTIFICATIONS

ANNOUNCE NOTIFICAITONS	RELEASE NOTIFICAITONS		ITEMIZED NOTIFICATIONS

NOTIFICATIONS

DOCUMENTS	MESSAGES

ORDER NOTIFICATIONS
Q/A NOTIFICATIONS
AWARDED NOTIFICATIONS
FINANCE/INVOICE NOTIFICATIONS
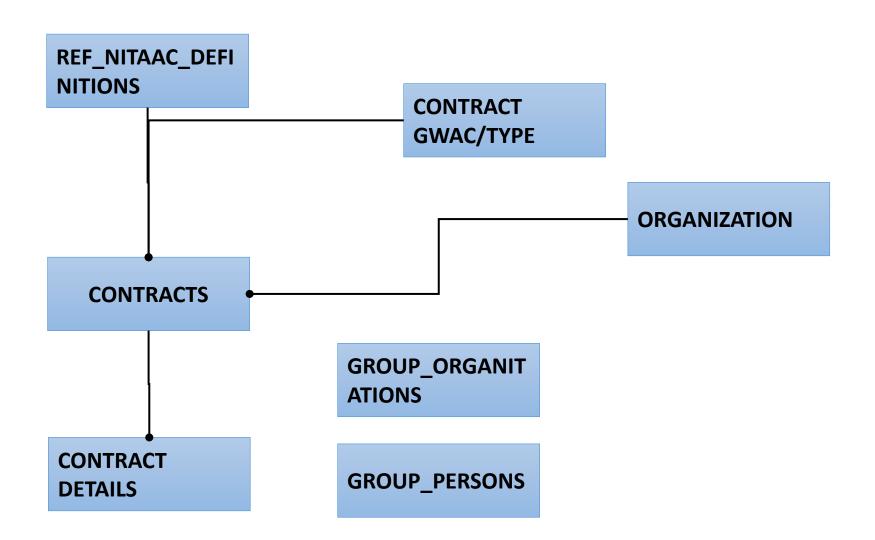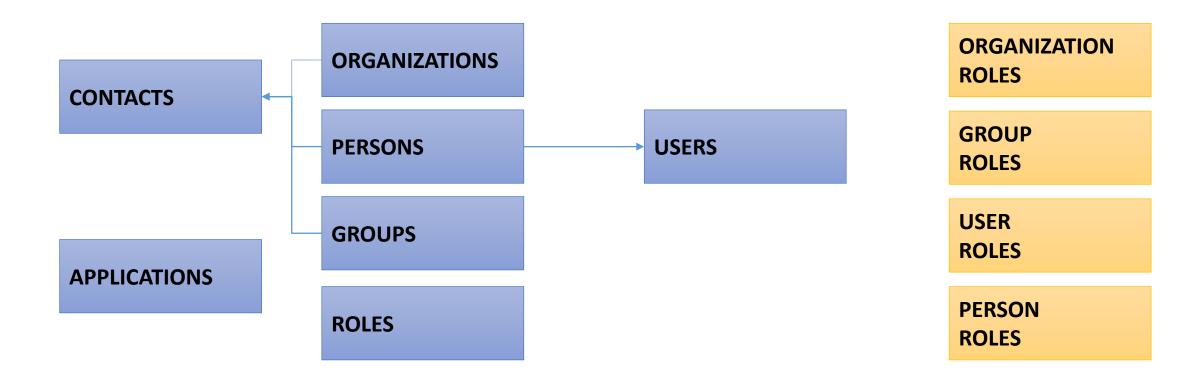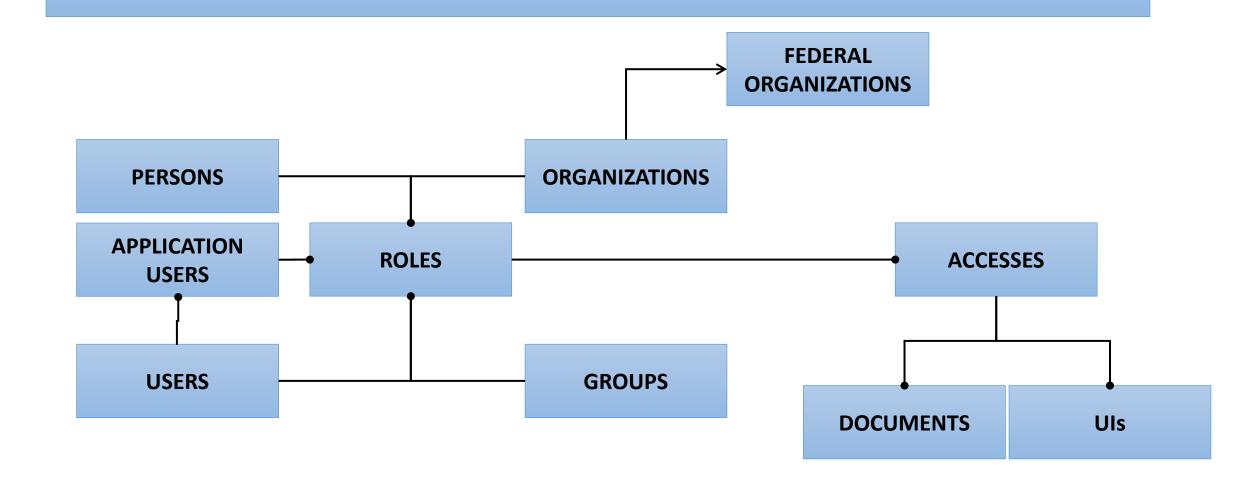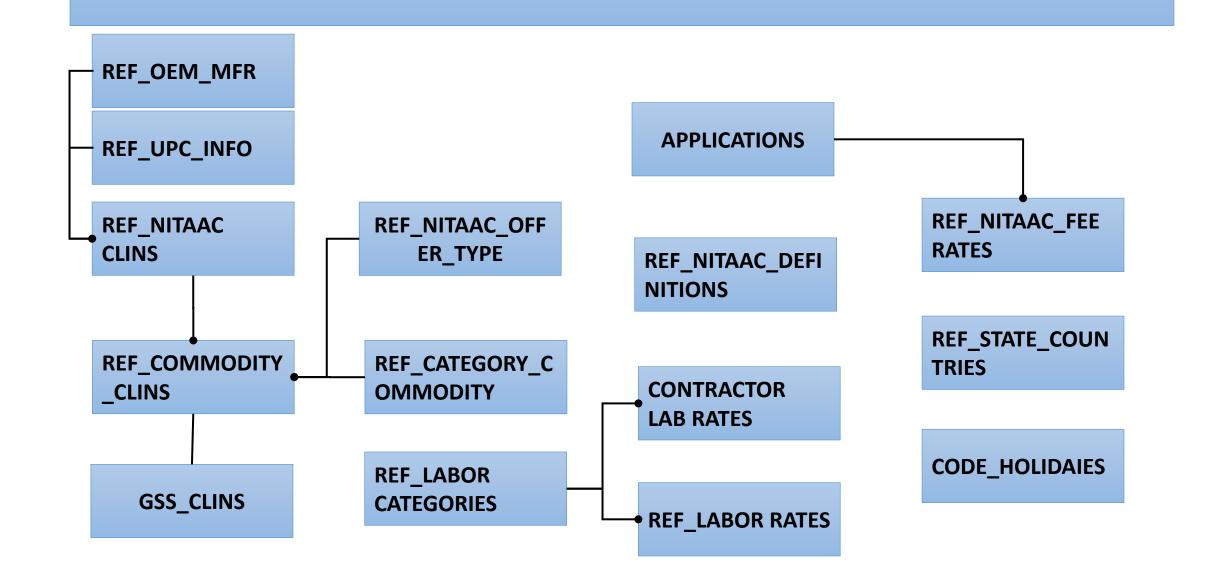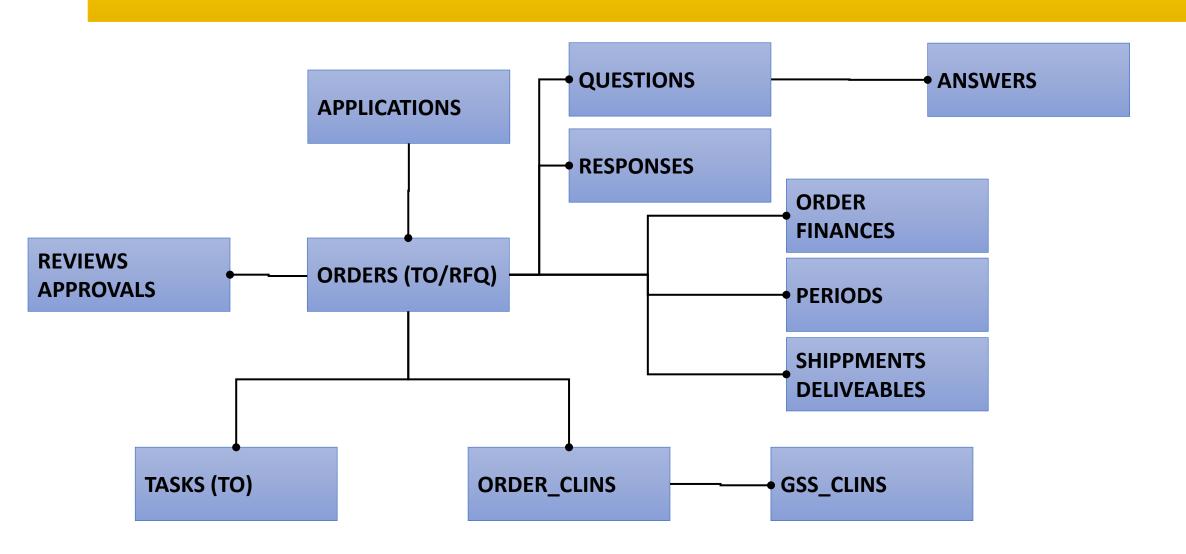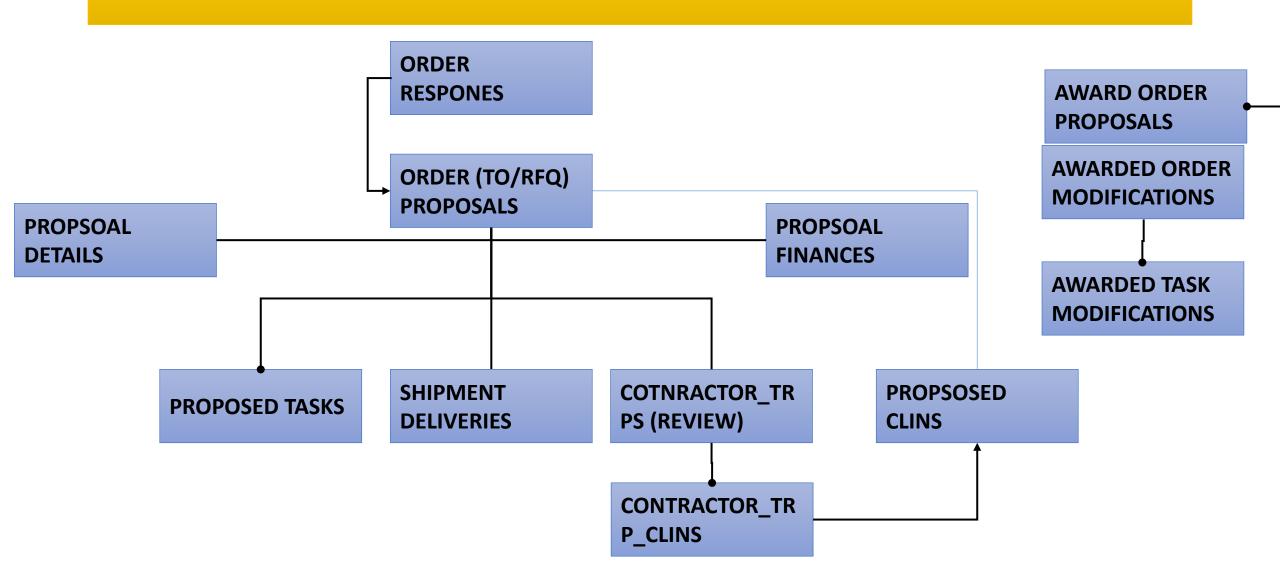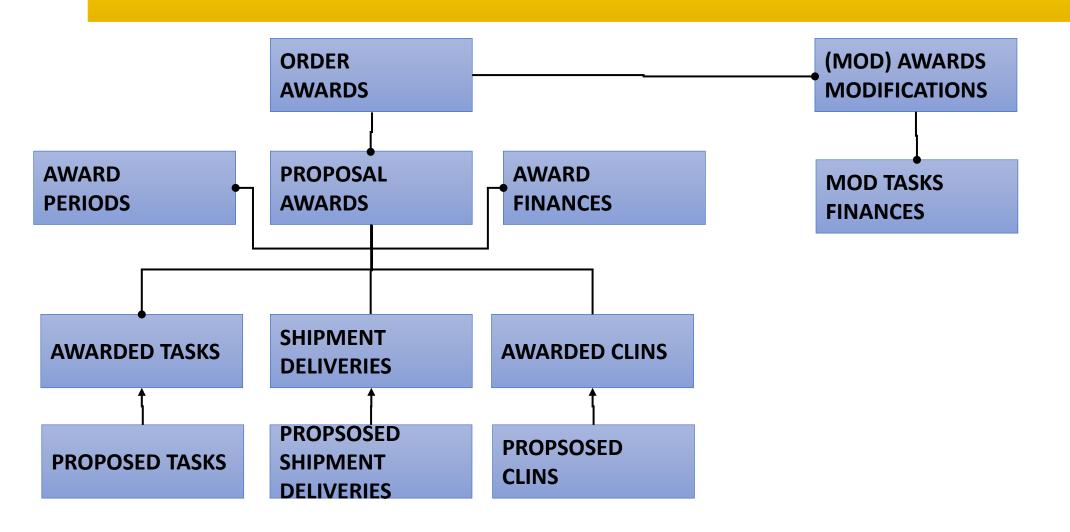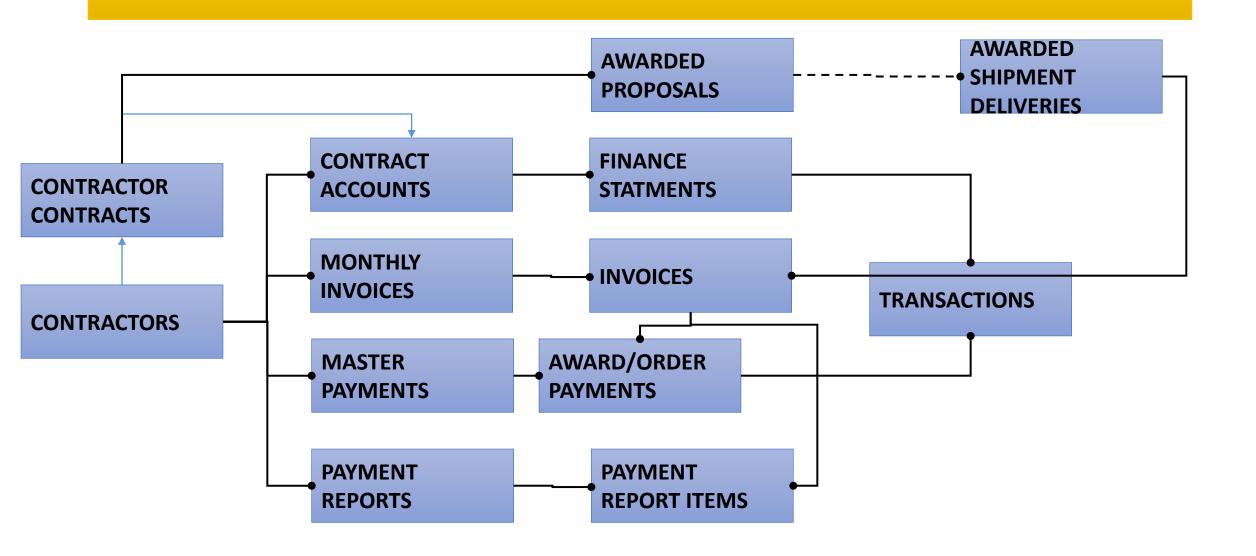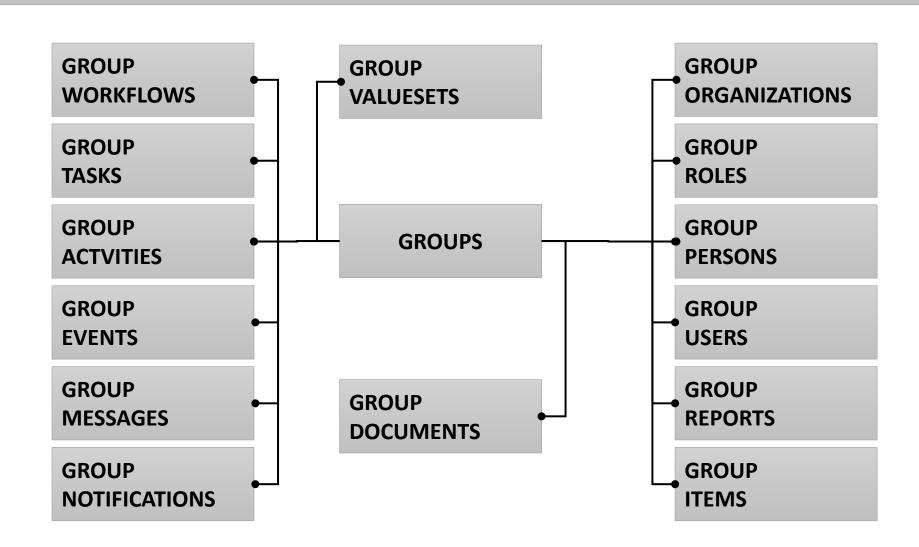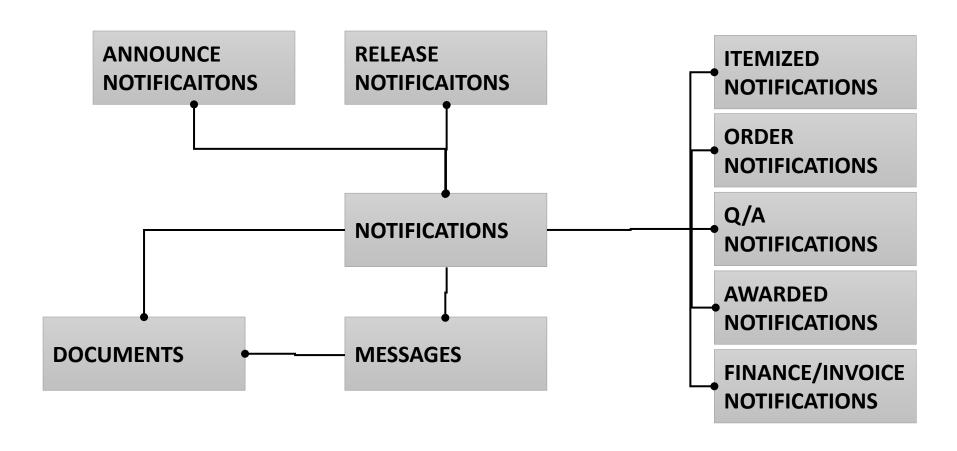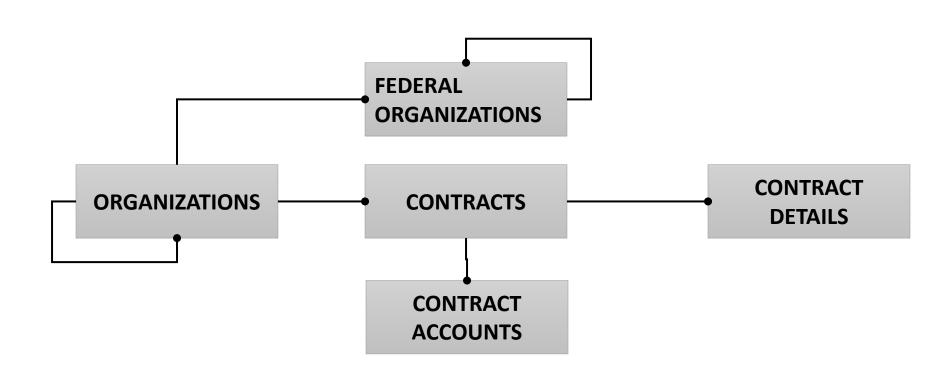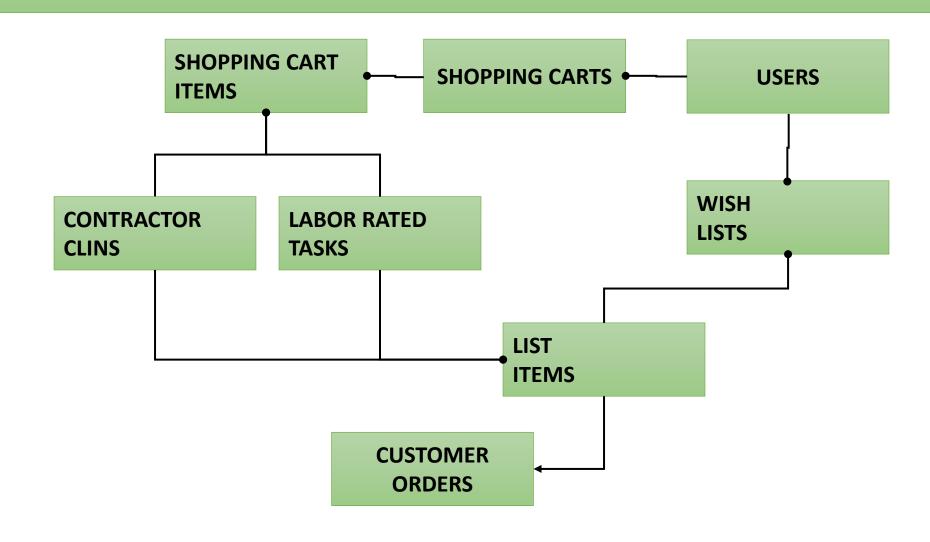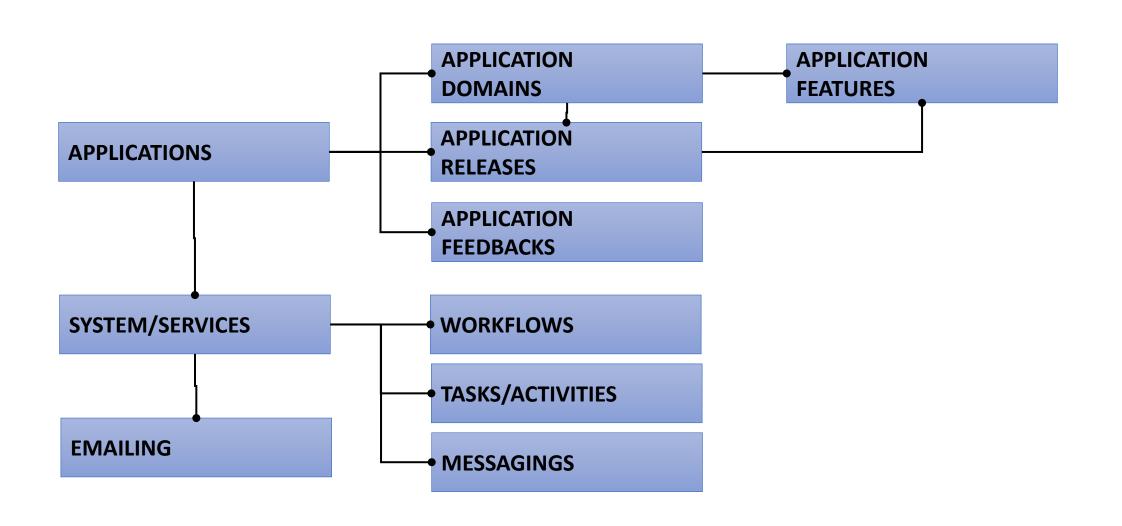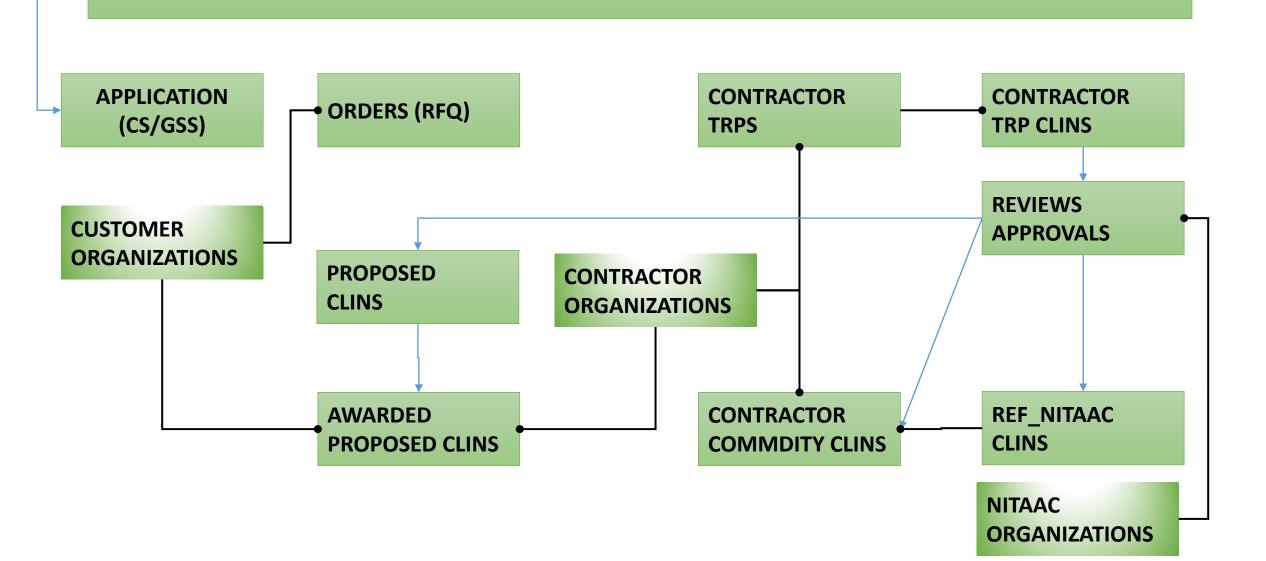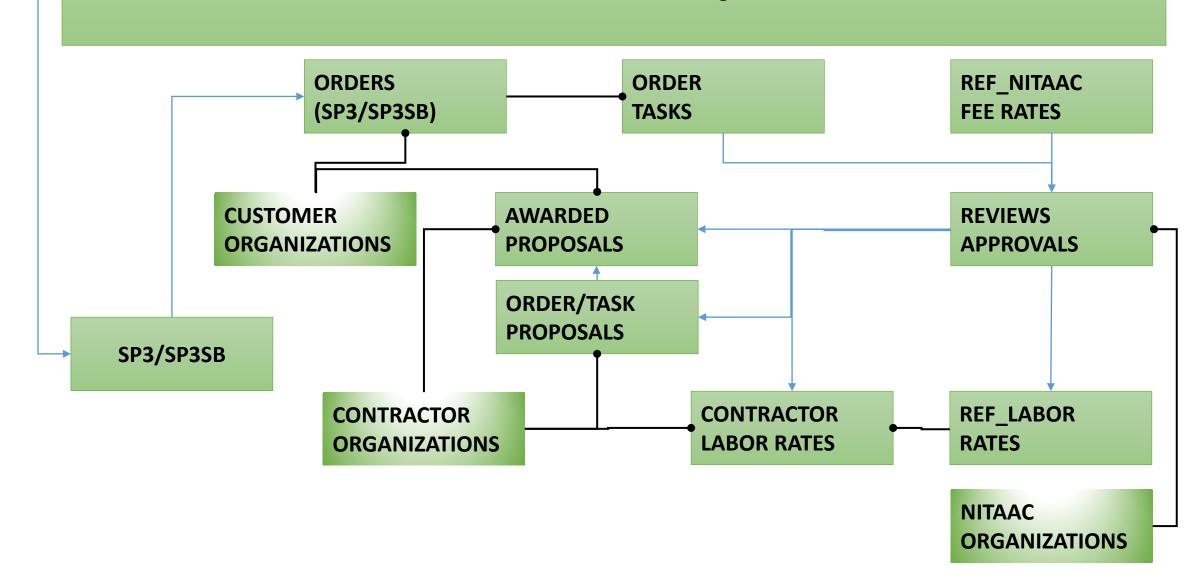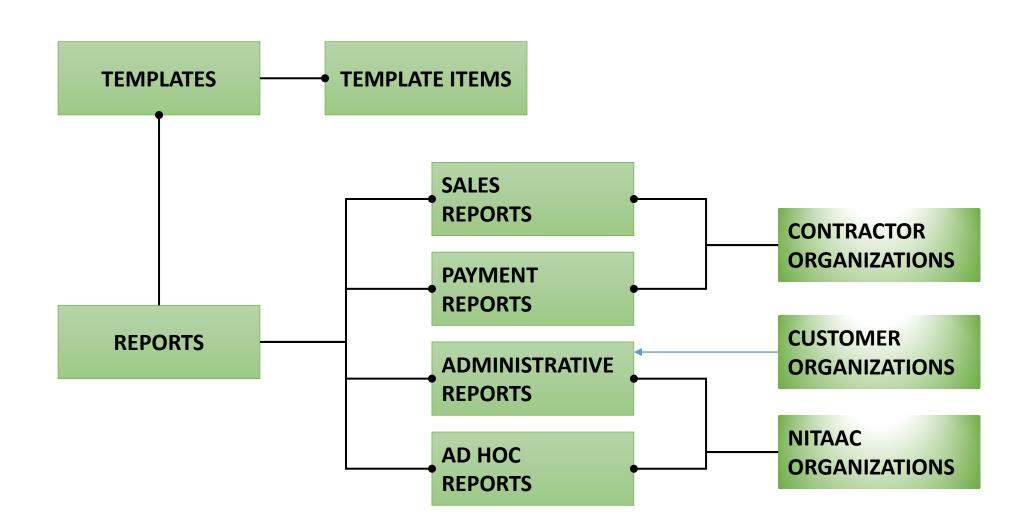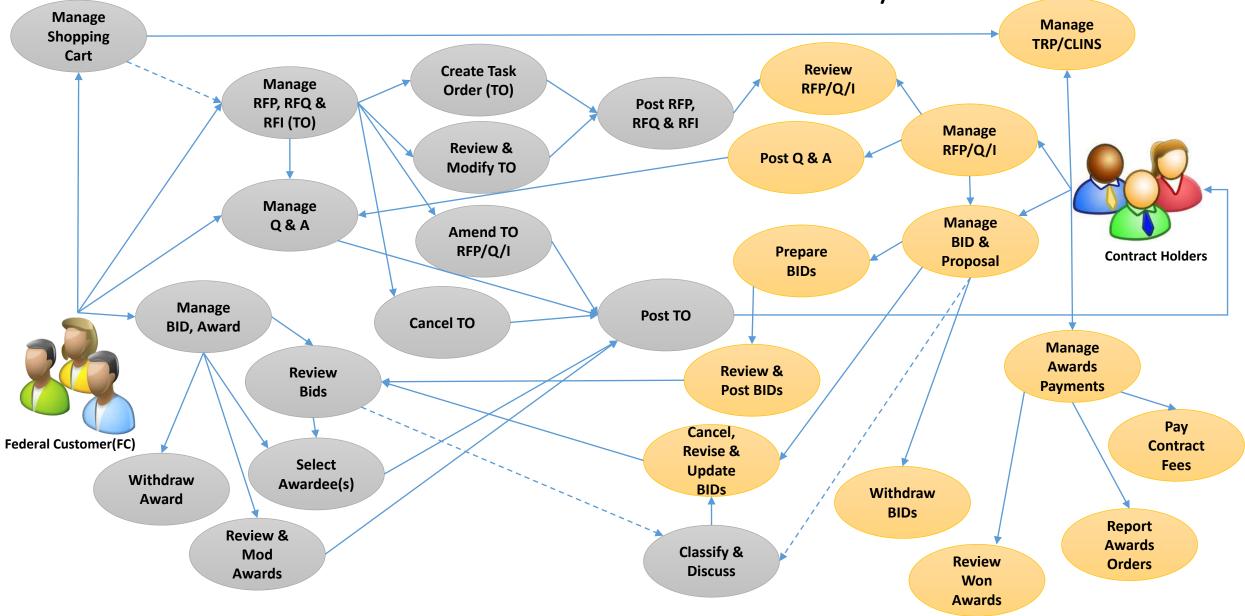
SHOPPING CARTS
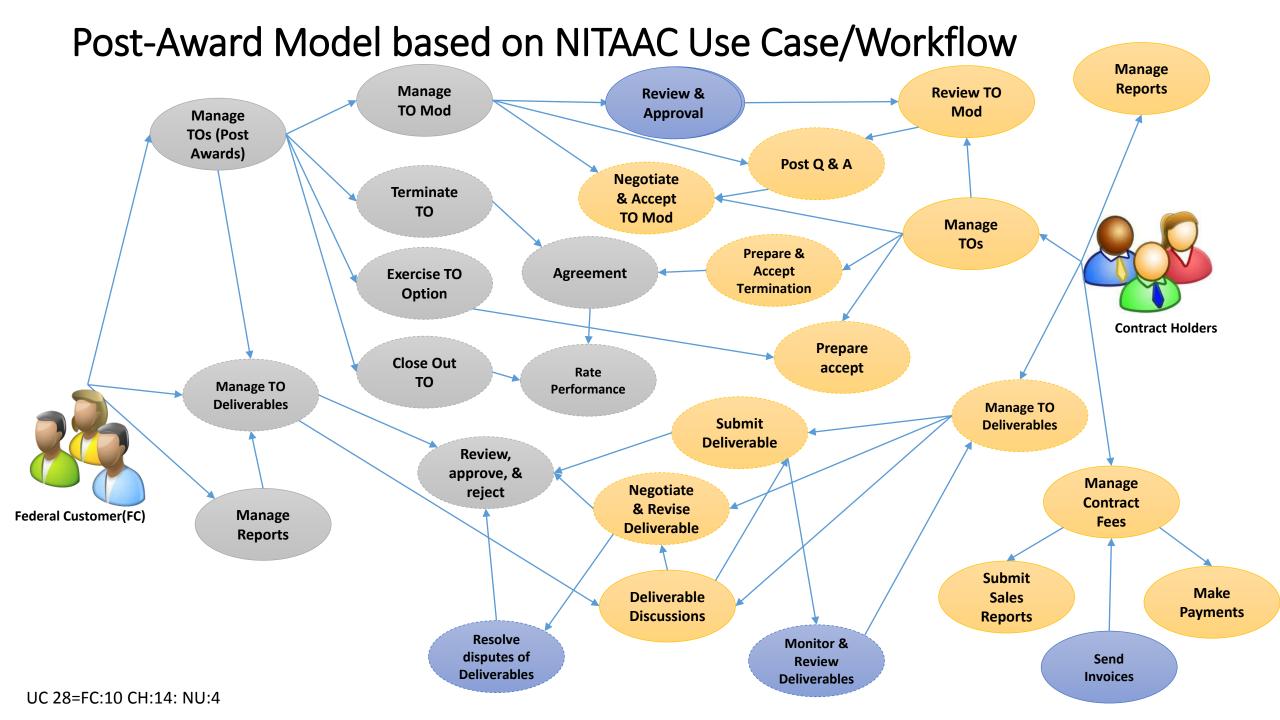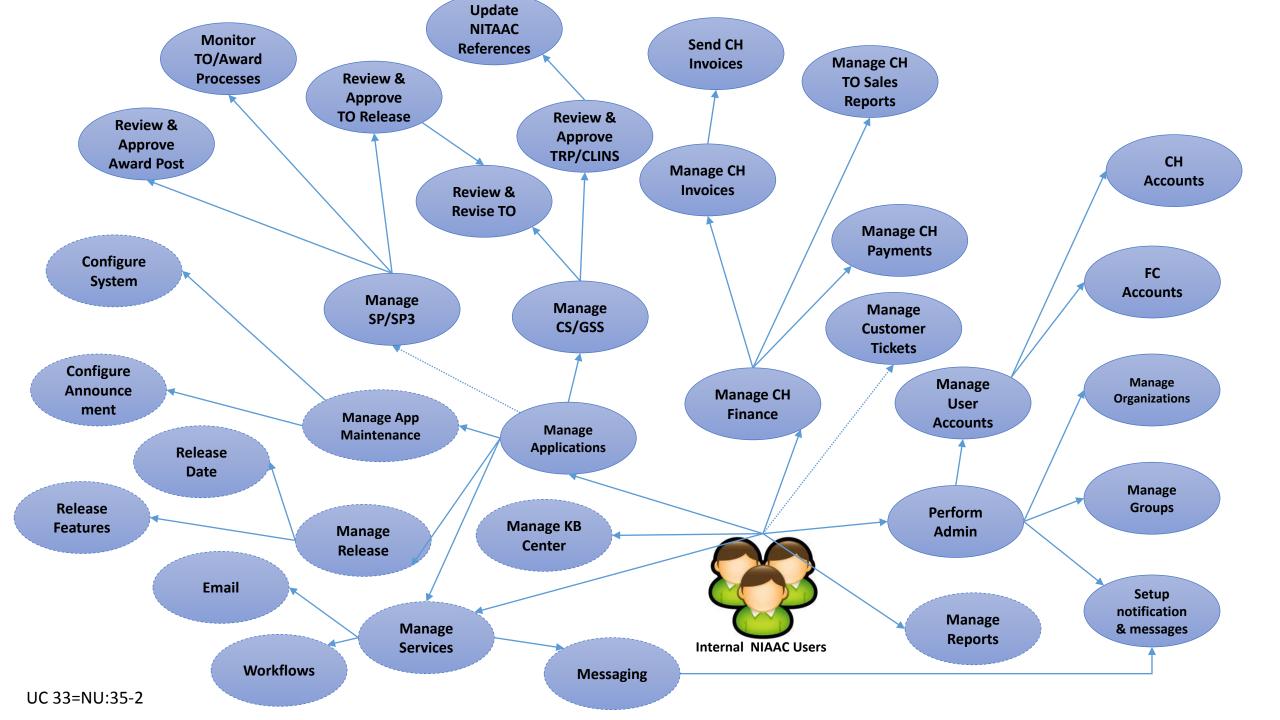
Supported NITAAC Use Cases

33+28+28= 89 (use cases)

DB Model based on NITAAC Use Case/Workflow

UC 28=FC:15 CH:13

Post-Award Model based on NITAAC Use Case/Workflow

UC 28=FC:10 CH:14: NU:4

UC 33=NU:35-2

Notices

- Entity Name may be modified based on terminology used by NITAAC and FAR
- Minor modifications may be made during the data migration due to the limited legacy data to ensure the data integrity
- Minor modifications will be made for the compliance with NIH Security and privacy policies
- Minor modifications for data service areas will be made to support AWS CLOUD Services and requirements (since some of them will be replaced by AWS cloud services
- Any SYM and APX entities will be removed after data migration.