



# **FCC Equipment Authorization System Redesign Overview**

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# Overview

- Equipment Authorization System (EAS) includes:
  - FCC issued grant system
  - TCB issued grant system
  - KDB system
  - Modules to store and maintain entity info for:
    - Grantees
    - TCBs
    - Test Firms (2.948 and Accredited)
    - Designating Authorities (Test Firm and TCB)
    - Accrediting Bodies (Test Firm and TCB)
  - Financial Systems interface (Cores/FRN)



# Background

- Equipment Authorization System was developed over 12 years ago
  - Operational April 15, 1998
- TCB systems implemented over 10 years ago
  - Operational June 2000
- Since 1998 there have been multiple major policy/procedural changes that required software additions and continual maintenance
  - System incorporates multiple software platforms
    - Some software unsupported due to age
    - Different platforms increase maintenance and cause more operational issues.



# Goals/Objectives

- Implement streamlined processes using modern software
  - Limit software platforms
  - Consistent look and feel for entire system
  - Efficient system maintenance
- Update system based on variety of policy and rule changes from last 12 years
- Integrate EAS System with other FCC systems
- Improve access and information sharing capabilities of the system
- Automate upload and administrative processes

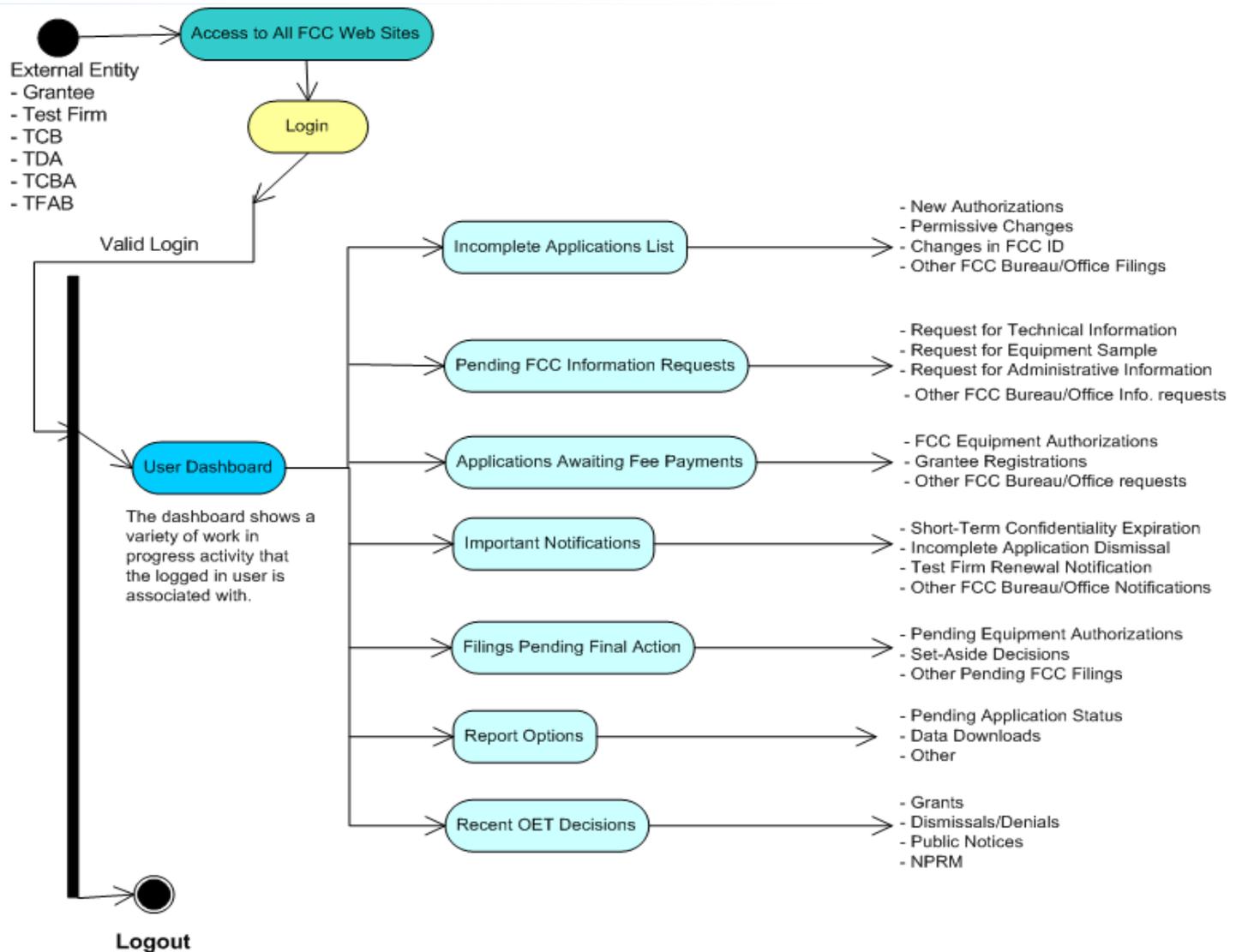


# Implementation

- Issues effecting implementation:
  - Finalize and resolve FCC Policies
  - Require internal FCC approval for
    - Policies and Processes
    - Funding
  - Public comment period if necessary
  - Rulemaking maybe necessary
- Hardware upgrades occurring separately



# General Workflow





# General Issues

- Users on the new system will be required to have login
  - Individual users will have logins
    - KDB searches and inquiry submissions may be allowed without login
  - Automated password resets
    - Improved security
    - Industry accepted practices
    - Uniform process across entire FCC
    - Each user may be associated with one to many entities (TCB, Grantee, Test Firm, etc)
- “To Do” list for each user showing pending activity
- TCB contacts managed by administrator at TCB
  - Multiple contacts allowed



# General Issues (continued)

- Elimination of paper correspondence
  - Electronic signatures on documents
  - Verification of documents electronically
  - FCC issued grants sent electronically
- Final versions of users manuals may be uploaded after grant without prior FCC approval
- Equipment authorization (including KDB) file types limited to PDF and JPG
- TCB Accrediting body system access



# Form 731 Format Changes

- Change from four major sections with checks at end of each section to individual questions
  - Validity checks at each question and again at end of process
  - Progress bar on side
  - Ability to respond to questions in any order
- Modifications to information after grant require TCB to click “Apply” button
  - Currently applied immediately
  - Allows multiple changes at once which increases TCB capabilities and requires less FCC intervention
  - All validity checks applied when TCB clicks “accept”



# Form 731 Changes

- Validity checks based on rule parts and frequency
  - Currently based on equipment class
  - Equipment classes moved to line entry
  - Required rule parts will become more specific
- Elimination of Composite Filings
  - One grant for composites
  - Multiple equipment classes still require multiple fees for non-TCB applications
  - Historical data will remain unchanged
  - Grant image adjusted to accommodate multipage grants
- Additional Contact types may be added
  - Confidentiality contact
  - Email addresses entered twice for accuracy



# Form 731 Changes (continued)

- Permissive Change/Change FCCID
  - Ability to select line entries and attachments from previous submissions under same FCCID
    - Confidential attachments may be excluded
  - Does submitter of Change in ID filing have original grantees permission to change ID
- Automated uploads of grants and attachments via API / Web Services
- TCB ability to delete never granted applications



# Form 731 Changes (continued)

## ● RF Exposure Info

- Does the device require RF Exposure Evaluation?
- Does the device comply with the requirements?
- Select applicable rule (2.1091, 2.1093, 1.1307)
- Enter MPE/SAR Values for
  - Head/body
  - Peak/Average
  - Frequency band

## ● Hearing Aid Compatibility Info

- Is 20.19 applicable for device?
- Identify rating (M3,M4, M3T3, etc)
- Identify standards used (ANSI C63.19-2007)
- Identify Air interface (CDMA, TDMA, etc)



# Form 731 Changes (continued)

- Microprocessor number removed
- Model number field (optional)
- New Application purpose
  - Change in ID/Permissive Change combo
- Identify TCB Reviewer
- Identify TCB Decision Maker



# Other Changes

- **KDB**
  - Categories may be modified and reorganized
  - Inquiry First category required
  - KDB PBA process will be handled thru TCB system after permission to upload given
  - KDB PBA attachments will be selectable in Form 731 attachment upload module when PBA # entered on Form 731
- **Grantee Codes**
  - Expanded from 3 to 6 characters
    - Rulemaking required
  - Unpaid grantee codes will be re-used
- **Test Firms**
  - Scopes may be associated with test firms (15B, 15C, etc)



# Questions and Answers

**Please send comments or additional suggestions  
to [George.Tannahill@fcc.gov](mailto:George.Tannahill@fcc.gov)**