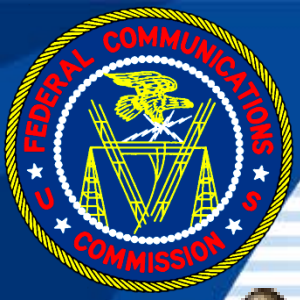


Overview of Equipment Authorization System (EAS) Redesign

Office of Engineering and
Technology
Laboratory Division



Overview

- Current EAS Overview
- New EAS Information
 - Implementation Plan
 - Status of Redesign
 - General Process and System Changes
 - Form 731 Changes
 - Draft views of pages
 - CORES Usernames and FRNs
 - EAS Entity Association
 - Grantee Codes
 - Form 731
 - Sample Requests and Market Surveillance



Current EAS

- Current EAS
 - Became operational 1998
 - TCB program implemented in 2000
 - KDB System implemented in 2005
 - Original plan was to implement a process to allow files to be submitted electronically to FCC
 - System became a process management tool for entire equipment authorization process



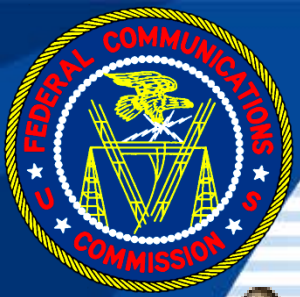
Current EAS (External Processes)

- External Managed Processes
 - Grantees
 - Telecommunication Certification Bodies (TCBs)
 - TCB Designating Authorities (TDAs)
 - TCB Accrediting Bodies (TCBAs)
 - Test Firm Accrediting Bodies (TFABs)
 - Accredited Test Firms
 - 2,948 Listed Laboratories (program expired)
 - Data read only for older applications
 - Public Searches
 - KDB Publications and Inquiries



Current EAS (Internal Processes)

- Internal Managed Processes
 - External Entity Management
 - KDB Inquiry and Response
 - KDB Publication
 - KDB Draft Publication Comments
 - Market Surveillance
 - Form 731 Management
 - Equipment Classes, Validity Checks, Rule Parts, Exhibit Types, Correspondence processes, etc.
 - Database
 - Over 3 terabytes of data
 - Mostly 731 Attachments



New EAS Implementation

- Flash Cutover Planned for January 2019
 - Specific date under discussion
 - Dependent on multiple factors
 - System programming complete
 - System tested acceptably
 - High volume filing dates and holidays
 - Network Support
 - Form 731 Approval
 - FCC will publish date when it is determined
 - Transition plan under discussion
 - Due to complexity of EAS and potential issues of running old and new systems at same time the old system won't be publicly available when new system comes online
 - May be several days where system is not accessible (i.e. grants not approvable or searchable)



New EAS Redesign Status

- Requirements gathering completed at end of 2017
- Programming started April 2018
 - Database created
 - User groups and group privileges established
 - Username accounts and login/password process already existed in production CORES and has been adopted by EAS and is currently available
 - Entity management process programmed
 - Entity processes testing by FCC in progress
 - Form 731 process being programmed now
 - FCC user acceptance test (UAT) starting soon
 - 731 API will be developed after UAT completed
 - Form 731 Regulatory Approval in progress
 - Expected completion January 2019
 - KDB Inquiry and Publication process is next phase
 - After KDB any remaining processes will be programmed and UAT fixes will be implemented and the full system will be retested
 - System documentation and user training



New EAS Highlights

- System is being developed taking into account current rule and process requirements
- Information collected will not change significantly
- Programming platform and flow of process will change significantly
 - Each user will have their own user name/login and password to the system
 - Passwords are managed by FCC Commission Registration System (CORES) – www.fcc.gov/core
 - CORES registration is available now
 - Improved security and validated email addresses



New EAS Notable Changes

- **Individual Username/Login and password**
 - Initial one time process
 - Get username account from CORES
 - Associate username with FRN
 - Requires FRN owner approval
 - Associate username with EAS entity
 - Requires Entity approval
- Grantee codes will be requested in a process similar to the current process but the grantee code will not be provided until grantee code payment is received by FCC
- Updated 731
- PAG Integrated into 731
- Market Surveillance samples requested thru EAS webpage
 - Annual surveillance reports will be managed through sample request page
- TCB Scopes changing from A1-B4 to match 18 test laboratory scopes
- All entities will need to provide FCC with company phone number and email



New EAS Form 731 Change Summary

- Composite original applications will be filed on single 731 form.
 - Equipment classes will be included on line entry
 - After original application is granted any new equipment classes will be added as permissive changes
- 731 Questions will change slightly
 - RF Exposure, HAC, Agents, TCB Decision Makers, TCB Reviewers, Multiple test firms, Confidentiality, signature section, etc
 - Draft 731 demo later
- Permissive Change and Change in FCCID Applications
 - Option to reference attachments from previous grants
 - Non-confidential only
 - Option to reference line entries from previous grants
- New application type:
 - Change in FCCID/Class II permissive change
- All Entered Contacts will need valid FCC username
- Grant Image will be updated



New EAS Form 731 API

- A Form 731 Application Programming Interface (API) will be created to allow TCB database to talk to equipment authorization database
 - This process will happen after 731 programmed, tested and mostly final
 - TCB's will have to develop/program their side of the system to upload and handle error messages
 - Process will allow information upload.
 - Issuing Grant of Certification is a separate step
 - Manual 731 submission option will remain option



General Comments

- Development is still work in progress and some things may change based on UAT, rule changes, for better usability/flow, and/or policy changes
- There is a learning curve for the system as it is in a different programming platform and the flow is changed
- UAT has shown issues with Microsoft Edge browser
 - Other browsers have fewer issues
- Search options and URL location of system are still under discussion
- This presentation is not an all inclusive list of changes but intended as a high level summary
- After considering new names for the system and the effort to rename we have opted to continue referring to the new system as the Equipment Authorization System (EAS)
- FCC planning to reach out to various user groups to help test new system when appropriate



Draft Views of New System Pages

- CORES – Username
- CORES – Association with FRN
- EAS – Join an Entity
- Obtain a Grantee Code
- Form 731
- Sample Request
- Market Surveillance Report