



eLabel Tool Deployment

POIWG Face-to-Face #39

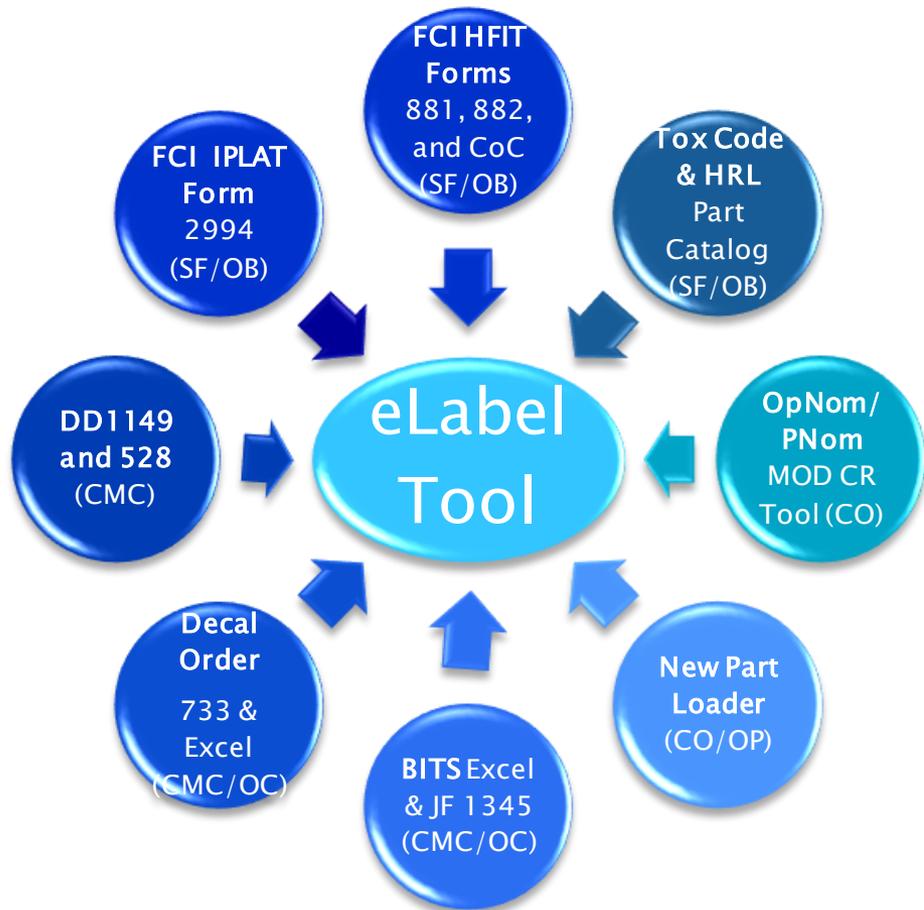
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Cargo Mission Contract (CMC)
January 26, 2016

eLabel Tool

▶ Purpose

- To provide an overview of benefits, efficiencies of the eLabel tool and deployment

eLabel Tool Overview



eLabel Tool Development Goals

- Combined multiple label processes
 - 7 different processes
 - Multiple Process owners
 - 10 different forms, some electronic but most paper
- Eliminate duplication of data entry into multiple forms
- Improve label tracking and traceability
- Eliminate multiple repositories for label processing data
- Reduce the number of Issue Reports (IRs) related to cargo labeling

What is included in the eLabel Tool?

- ▶ Request [New Part Numbers](#) to be added to the ISS Parts Catalog
- ▶ Obtain/change [OpNoms/PNoms](#)
- ▶ Obtain [Barcode exemptions](#)
- ▶ Obtain [HFIT Reviews](#)
 - Requirements coordination & verification
- ▶ Obtain [Label Plan Approvals \(formerly Form 2994\)](#)
 - Requirements coordination & verification
 - Coordination of label content, location, material etc.
- ▶ Obtain [Approval for Changes](#) to previously approved labels (formerly Form 2994)
- ▶ [Order from the Decal Design & Production Facility \(DDPF\)](#)
 - Flight and non-flight labels
 - Includes IMS Barcode and RFID decals

eLabeling Benefits and Efficiencies for Hardware Providers

- Electronic Automation
 - Electronically maintains historical records and routes for approval through the various organizations (CMC, IPLAT, FCI, etc.)
 - Real time status reporting (HRL, OpNom, Barcodes, Label Exemptions, etc.)
- Single Dashboard for the ISS community for all Decal and Label needs
 - Provides one stop shop for all labels/decals – single consolidated source for ordering and approval
- Reduction of labeling Issues
 - Helps promote proper labeling of hardware and minimize IRs
- Provides IPs, Payloads, HPs the ability to generate and track all of their own label requests
- Conductivity in the tool to minimize repetitive data entry
 - Auto populates data so that the requester does not have to re-enter data twice in multiple locations/forms
- Provides an interactive tool which leads and facilitates non-frequent or first time users through the label request process
- Facilitates the ability to conduct Table-Top reviews for label verification
 - The tool allows HPs to add imagery for requirements verification by FCI/IPLAT
 - Decrease in travel for label verification at on-site reviews done by FCI/IPLAT
 - Cargo processing efficiencies gained from the reduction of cargo reviews needed to verify labels

Training and Deployment

- ▶ Training Period
 - Fully functional tool was release on October 26, 2015
 - November 2015 through January 28, 2016
- ▶ eLabel Tool Link and Training Materials
 - <https://mycmc-apps-ext.jsc.nasa.gov/elabel/index.html>
 - Training materials posted to the eLabel Dashboard include:
 - How to Add New Parts to the ISS Parts Catalog
 - How to Order Flight Decals for Heritage Hardware
 - How to Order Flight Decals for New Hardware
 - How to Request Labeling Exemptions
 - FAQs from Training Sessions
- ▶ eLabel Tool was fully deployed and operational on January 25, 2016

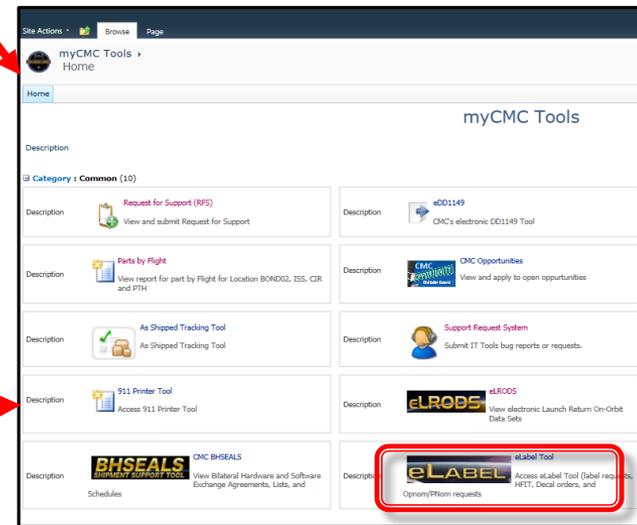
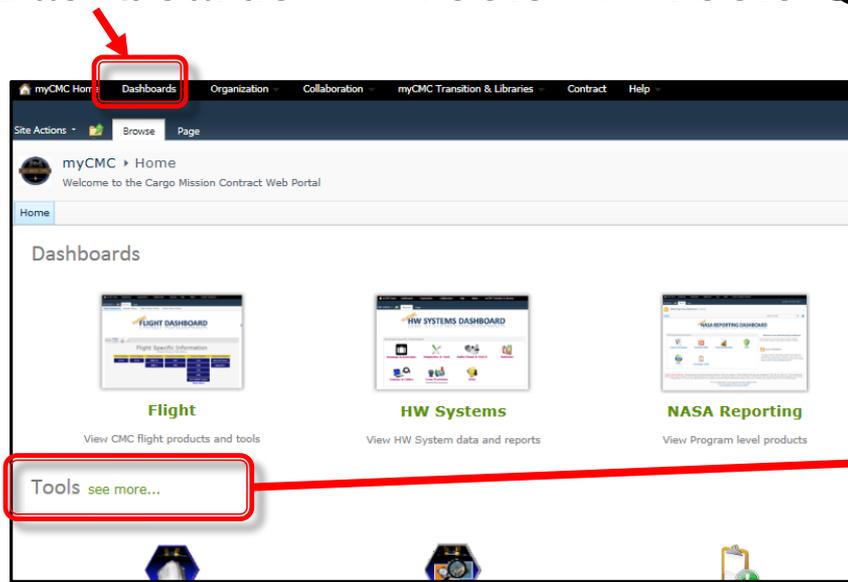
POIWG Splinter Training Session
Thursday, January 28, 2016
at 1:00pm

Tool Location

- ▶ myCMC Home

(<https://mycmc.jsc.nasa.gov/>) ->

Dashboards -> Tools -> Tools Quick Links



- ▶ In the future, a link will be placed on the [ISS Program Applications List](#)



eLabel Tool Home Page

ATTENTION: NEW RELEASE DATE: eLabel application will be released to production on Monday, January 25.

CARGO MISSION CONTRACT

Powered by: Cargo Mission Contract

Welcome to the eLabel Application Site

FAQ/Training

Training Presentations

Training Presentations

- eLabel - Introduction and Overview.
- eLabel - How to Add New Parts to ISS Parts Catalog without a Label Plan.
- eLabel - How to Order Flight Decals for Heritage HW.
- eLabel - How to Order Flight Decals for New HW Development.
- eLabel Training - Barcode Exemption Reviewers.
- eLabel Training - HFIT Reviewers.
- eLabel Training - Label Plan Reviewers IPLAT-LRT.
- eLabel Training - OpNom Book Mgrs and Reviewers.

All classes will be held at LM16, Conference room (555 Forge River, Webster TX 77598) and via Skype Meeting.

Schedule as of 12/11/15

Training Class Focus	Date	Time	Skype Meeting/Location
Hardware Providers - CMC Internal	11/9/15 (A)	9:30 AM - 11:30 AM	LM16/CR 107
Hardware Providers (Submitting Requests)	Tues., 11/10 (A)	9 AM - 11 AM	LM12/CR 222

myCMC
Flight Dashboard
myRFS

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Backup

eLabel Requirements

- ▶ Develop and sustain a single web based application to streamline the hardware labeling process and encompass all phases of the process including:
 - Flight Crew Integration (FCI) Human Factors Implementation Team (HFIT) requirement pre-coordination;
 - Flight Crew Integration (FCI)/ISS Payload Label Approval Team (IPLAT) label approval process;
 - Operations Nomenclature approval process;
 - Inventory Management System (IMS)/Barcode Inventory Tracking System (BITS);
 - Toxicology and HRL code accessibility;
 - Tracking label exceptions;
 - Label order to Decal Design and Production Facility (DDPF);
 - Provide the status of shipment to hardware providers.
- The application shall at a minimum:
 - Maintain historical records;
 - Provide a work flow system for approval through all required organizations;
 - Provide a single dashboard for all decal and label needs;
 - Provide single entry capability for the same data (i.e., automatic data population);
 - Provide all the International Partners/Participants access to generate label requests;
 - Lead and facilitate non-frequent or first time users through the label request process.

Design Fundamentals

- ▶ Flight independent tool
- ▶ P/N centric for traceability across multiple processes
- ▶ Anyone with an NDC account can access the tool
- ▶ Re-ordering labels for existing hardware should be simple and quick
- ▶ OpNom requests can be processed with a temporary P/N
- ▶ Temporary P/Ns are to be updated by the HW provider prior to addition to ISS Parts Catalog or approval of the Label Plan
- ▶ DDPF production of all flight hardware labels requires an approved Label Plan with the exception of stock/common labels
- ▶ DDPF requests for production of non-flight labels do not require Label Plans
- ▶ Tox and HRL data is read from the ISS Part Catalog (non-flight specific)
- ▶ Flight specific user interface for JSC Toxicology data entry into the manifest tool is a stand alone application

Additional Features Improve HP User Experience

- ▶ Read only view of any eLabel request
 - Attachments only available to data owner & reviewers, and Decal Lab
- ▶ Recall requests prior to review start
- ▶ Clone(duplicate) and edit any project, plan or request
- ▶ Copy and paste from Excel into any table
- ▶ Drag and drop files to attach
- ▶ Real time reports for
 - Historical P/N barcode data
 - Manifest history by P/N
 - Flight specific status

Capabilities Overview

	Hardware Provider	Reviewer
Workspace	<ul style="list-style-type: none"> Control access to the Workspace 	
Project	<ul style="list-style-type: none"> Enter Basic project information once Update project data as project matures 	<ul style="list-style-type: none"> Updated project data is available to all processes/reviewers
Label Plans	<ul style="list-style-type: none"> Enter P/N specific label information Submit request for label plan approval Submit objective evidence to close Label Plan requirements 	<ul style="list-style-type: none"> Requirements coordination and verification Review/approval workflows Data pulled from existing databases to ensure consistency
Human Factors Plan	<ul style="list-style-type: none"> Easy button to initiate HFIT engagement to address non-label related Human Factors requirements 	<ul style="list-style-type: none"> Requirements coordination, and verification Exception processing & signatures Review/approval workflow Generation of CoC
OpNom/PNom Requests	<ul style="list-style-type: none"> Easy button to initiate request to update or approve new OpNom/PNoms 	<ul style="list-style-type: none"> Coordination of community review Review discourse captured in the tool Review/approval workflow
Decal Order	<ul style="list-style-type: none"> Order labels per approved Label Plan (flight labels) Adjust pre-populated order (add, delete, qty., etc.) Enter S/N and other information unique to this order Enter shipping information Order non-flight items (no Label Plan required) 	<ul style="list-style-type: none"> Flight HW requests centralized Label data from reviewed/approved Label Plan Data downloaded in proper format for processing Shipping information auto generates 1149
New Part Requests (resulting from New OpNom Requests)	<ul style="list-style-type: none"> Update P/N if temporary P/N used to initiate OpNom Request Check box when ready to submit request to have new P/Ns added to ISS Part Catalog when OpNom has been assigned 	<ul style="list-style-type: none"> Verify OpNom matches P/N Approves update for push to Parts Catalog

What the HW Provider Won't See - Behind the Scene Processes

