AM JTDI SITE – HTTPS://WWW.JTDI.MIL

Purpose: Central site for authoritative AM information

- Official guidance and policy for use of AM on DON systems
- Access to approved AM technical data for DON users
- Manage requests and approvals for use of AM with Navy/Marine Corps technical authorities/technical area experts to ensure safe use of AM.
- Information on available and recommended AM training for DON users.

Site includes sections for:

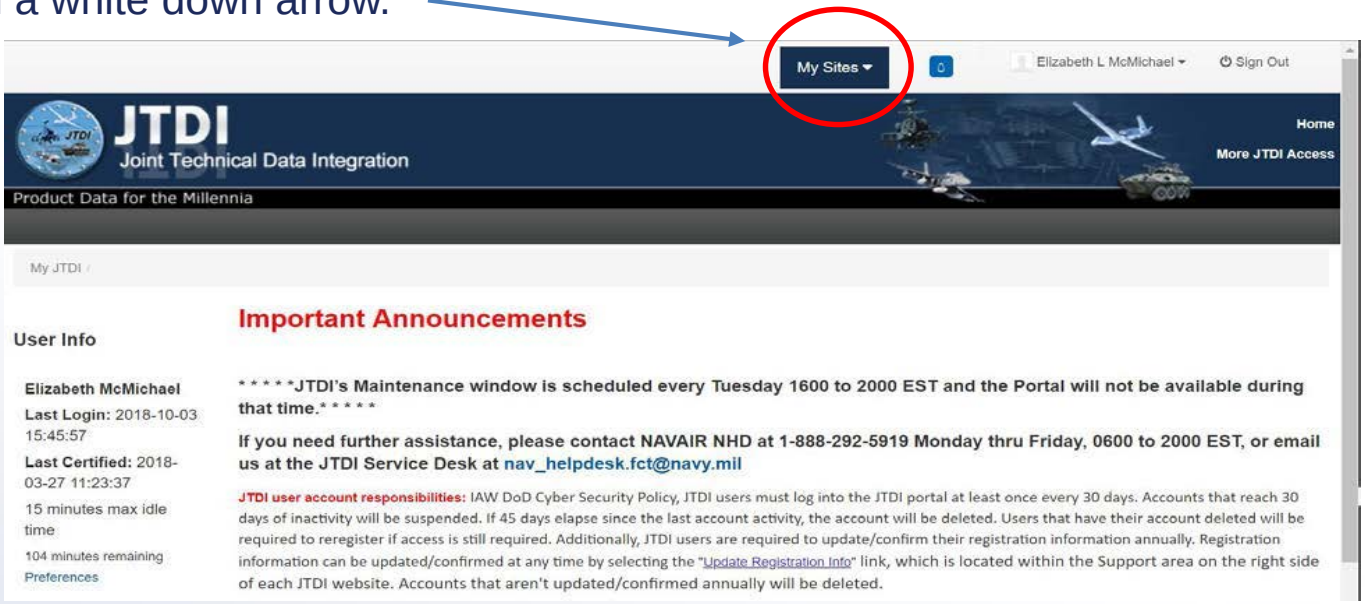
- NAVAIR (Navy/Marine aviation) – ONLY APPROVED SITE FOR AM TECHNICAL DATA FOR NAVAL AVIATION
- NAVSEA
- Marine Corps (non-aviation)

To request access to AM JTDI:

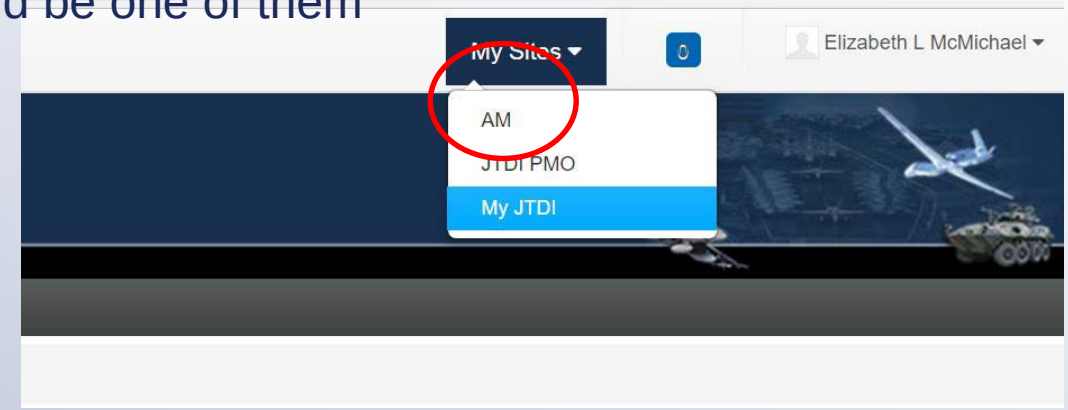
- Click on “Register” in the “Log in using your CAC” box
- Fill in starred boxes based on your organization
- Select Security POC/Govt Sponsor as Charles Browne, 301-995-7378, charles.browne@navy.mil or Elizabeth McMichael, 301-769-1267, elizabeth.mcmichael@navy.mil and save.
- Reason for access: (specify reason – AM fleet user, FST, PMA, AM team, AM development team)
- Non-government users should provide their gov’t POC contact info in “Reason for access”
- Service: click on “Navy/Marines” to see list of services a. Click on “AM” (2nd from top of list)
- Click on acknowledgement
- Click on ‘Request access’

AM JTDI SITE TOP LEVEL STRUCTURE

MAIN PAGE: On the landing page you will see a dark blue box that says "My sites" with a white down arrow.



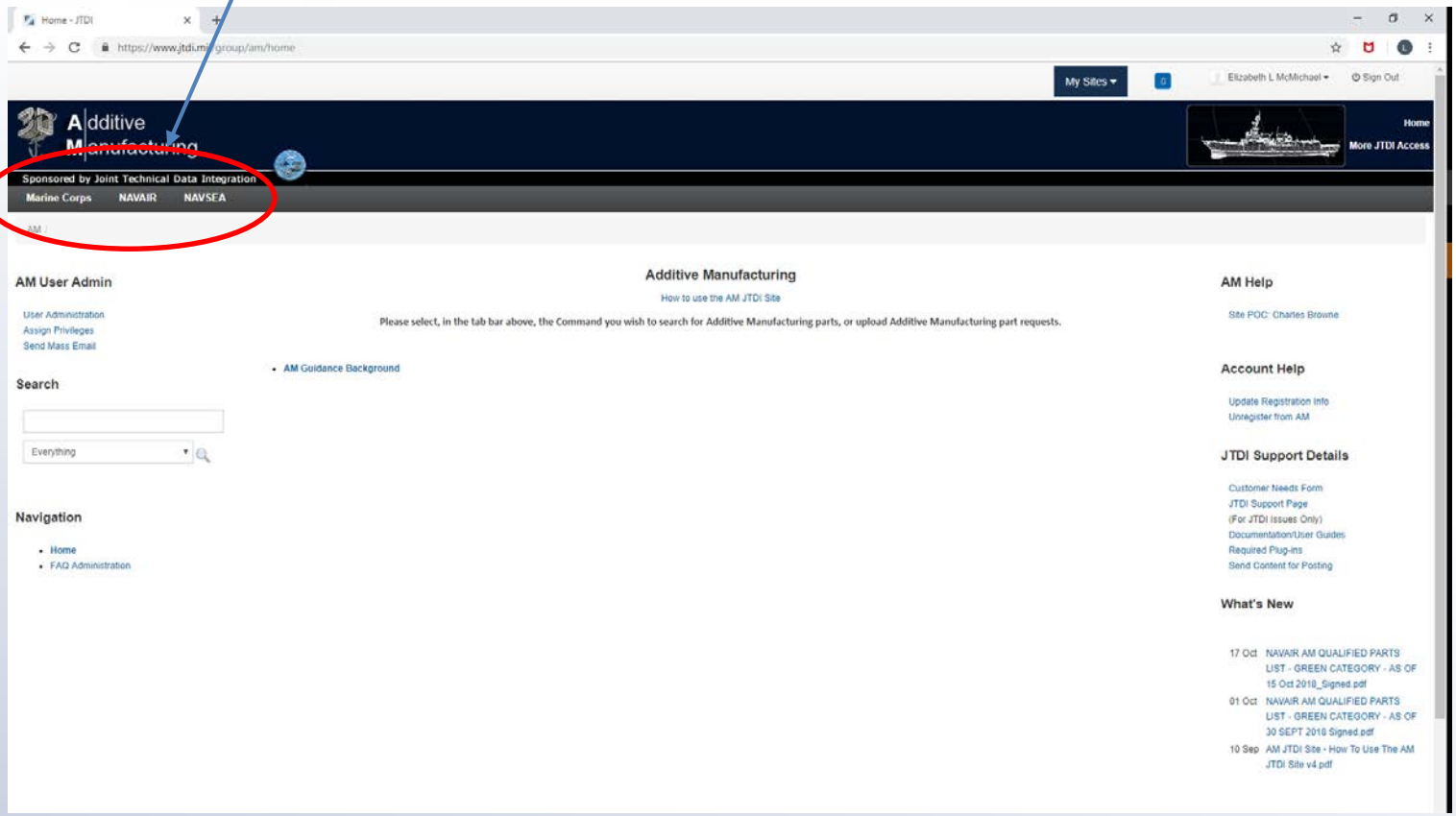
Click the down arrow and it will show a list of the sites you have access to. "AM" should be one of them



AM JTDI SITE
ACCESS TO NAVAIR, NAVSEA, MARINE CORPS INFORMATION

AM JTDI MAIN LANDING PAGE: This allows access to up to 3 AM areas for NAVAIR, NAVSEA, MARINE CORPS. Some users may not have access to all three areas – additional access can be requested.

Click the area of interest to access

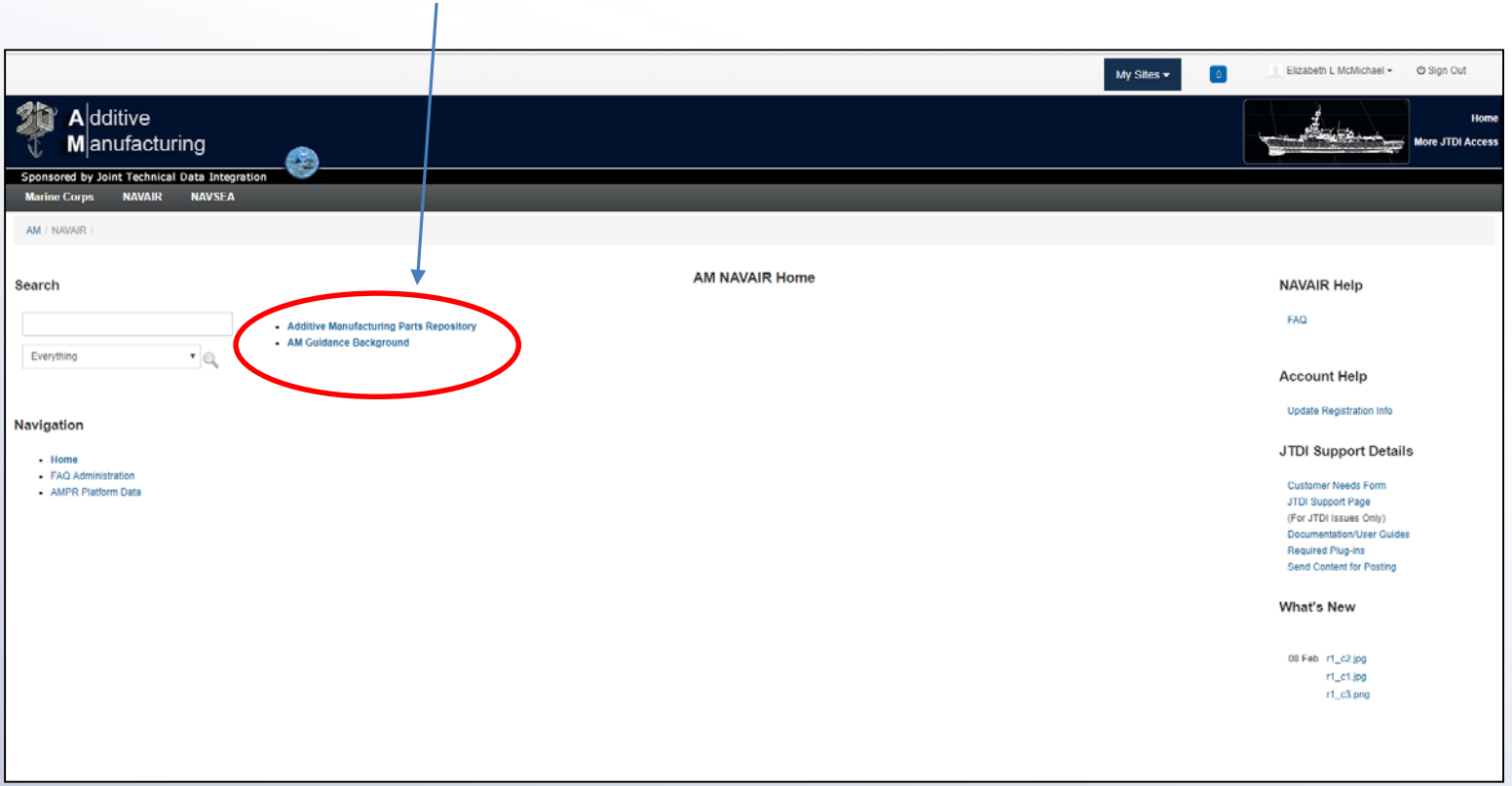


NAVAIR AM JTDI SITE:
WHERE TO FIND INFO/DATA

NAVAIR AM LANDING PAGE: There are two sections of the site

- AM Parts Repository that allows UPLOAD of AM requests for NAVAIR airworthiness screening “AM Triage Process” and DOWNLOAD of weekly AM status data, AM processes/templates for user created AM technical data, and approved/validated AM Technical Data Packages.
- AM Guidance and Background provides access to policy, Naval Messages, and guidance documents.

Click the area of interest to access

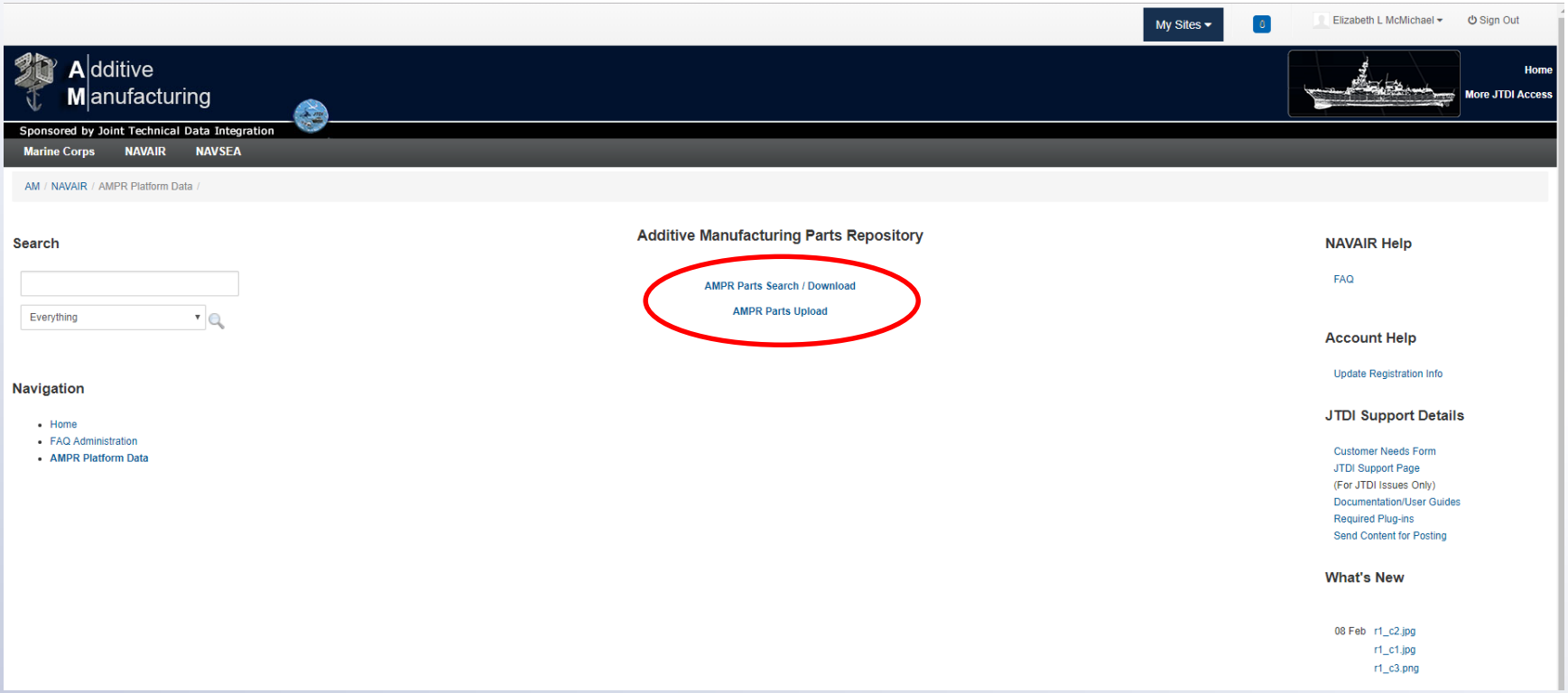


NAVAIR AM JTDI SITE- AM PARTS REPOSITORY

NAVAIR AM Parts Repository:

- DOWNLOAD of weekly AM status data, AM processes/templates for user AM requests, user created AM technical data templates to upload for approval, and approved/validated AM Technical Data Packages.
- UPLOAD of AM requests for NAVAIR airworthiness screening per the “AM Triage Process”

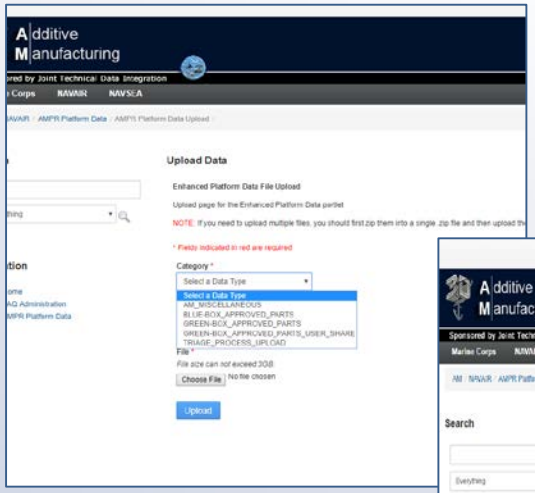
Click the area of interest to access

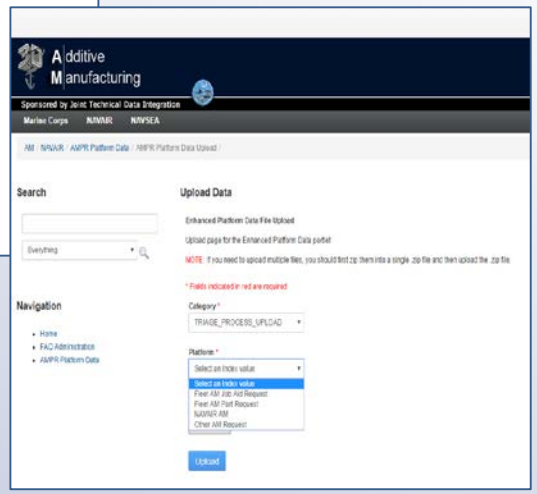


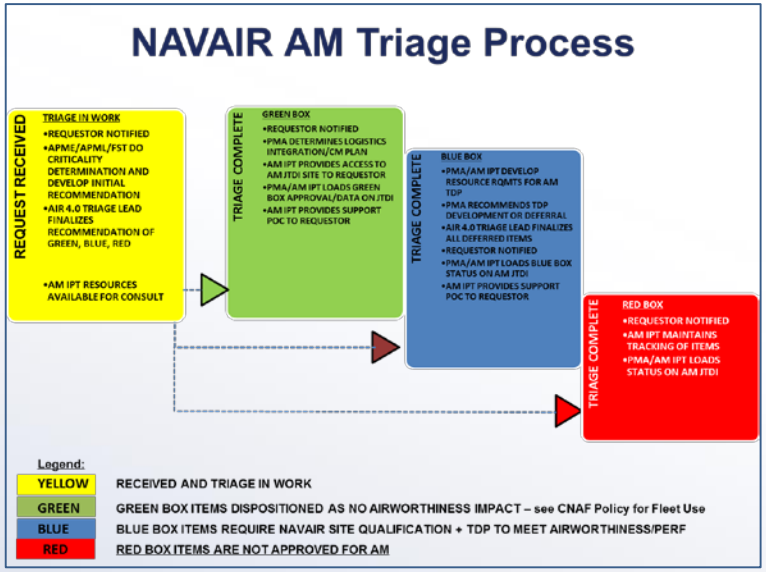
NAVAIR AM JTDI SITE
AM PARTS REPOSITORY UPLOAD

NAVAIR AM REPOSITORY STRUCTURED PER THE "NAVAIR AM TRIAGE PROCESS"

- Choose Category for Upload - Uploads CAN ONLY BE MADE to TRIAGE_PROCESS_UPLOAD
- Choose type of upload using "Platform"
  - Fleet AM Job Aid Request – Job Aids/Tools that are developed by Fleet users. Processes and templates for Fleet Job Aid Requests are available in the "AM Miscellaneous" Download Category
  - Fleet AM Part Request – Parts that have not been screened for airworthiness. Processes and templates for Fleet AM Requests are available on the AM Miscellaneous Download category
  - Other AM Request – Non-Fleet/OEM requests for screening, production requests for items that are not approved for Fleet manufacturing (i.e. Blue Box), updates to TDPs, support requests from NAVAIR AM IPT, Training requests.
  - NAVAIR_AM – Used to exchange/check in-work technical data packages. USED ONLY BY NAVAIR AM/DT IPT
- Weekly status of all items in AM Triage provided on "AM Miscellaneous" Download Category





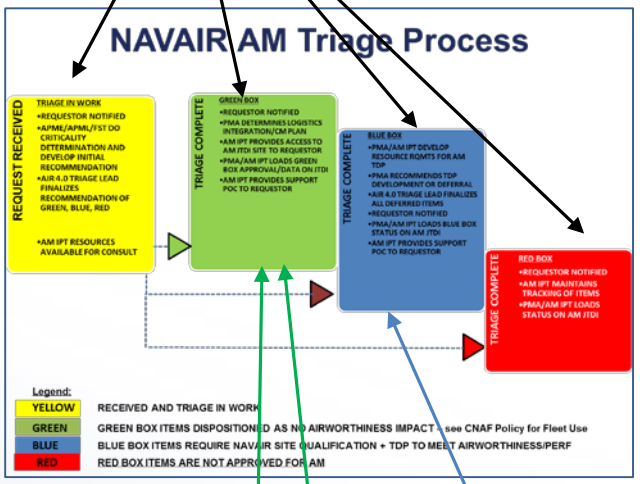


NAVAIR AM JTDI SITE
AM PARTS REPOSITORY DOWNLOAD

NAVAIR AM REPOSITORY STRUCTURED PER THE "NAVAIR AM TRIAGE PROCESS"

- Select Category for Download – Note Downloads can be made from categories that have been Triaged and Approved (Green or Blue Only)
  - CATEGORY AM_MISCELLANEOUS
    - PLATFORM (NAVAIR_AM) Lists of AM parts by category (Yellow, Green, Blue, Red) updated weekly, AM Processes/Templates for requests, other information posted by NAVAIR AM.
    - PLATFORM (MISC) Other information provided by non-NAVAIR groups who request posting. NAVAIR does not approve MISC information
  - CATEGORY BLUE-BOX_APPROVED_PARTS – NAVAIR Triaged Aviation parts that HAVE Airworthiness/Safety/Performance implications
    - PLATFORM (TMS) – Approved Blue Box parts by TMS. Note that this information includes ONLY top level information on the part including the printer/material approved and the AM Manufacturing Level required. Fleet sites are not currently approved to make Blue Box parts
    - PLATFORM (BLUE BOX QUAL AM PROD SITES) – List of approved production sites for Blue Box parts. Currently ONLY NAVAIR AM Airworks (Cage Code: 9MA00)
    - PLATFORM (NAVAIR_AM) – NAVAIR information on manufacturing qualification levels and process
  - CATEGORY GREEN-BOX_APPROVED_PARTS – NAVAIR Triaged Aviation parts that DO NOT HAVE Airworthiness/Safety/Performance implications
    - PLATFORM (TMS) – Approved Final Green Box AM Technical Data Packages.
    - PLATFORM (NAVAIR_AM) – Approved Interim Green Box AM Technical Data Packages (Interim AM TDPs may be used prior to release of Final AM TDPs. Interim TDPs will be removed from site once Final AM TDPs are released) Updated weekly list of AM Approved Green Box parts is cross posted here and in AM_MISCELLANEOUS
  - CATEGORY GREEN-BOX_APPROVED_PARTS_USER_SHARE – Fleet developed AM Job Aids and Tools with content validated by NAVAIR (Validation only includes content check for materials, printers, fit check)
    - PLATFORM (TMS) – Validated Fleet AM Job Aids and Tools with NAVAIR content check
    - PLATFORM (NAVAIR_AM) – Guidance on material choice, printer settings, etc, for Job Aids.

AM Miscellaneous
- Parts Lists
- Process/Templates
- Other Info



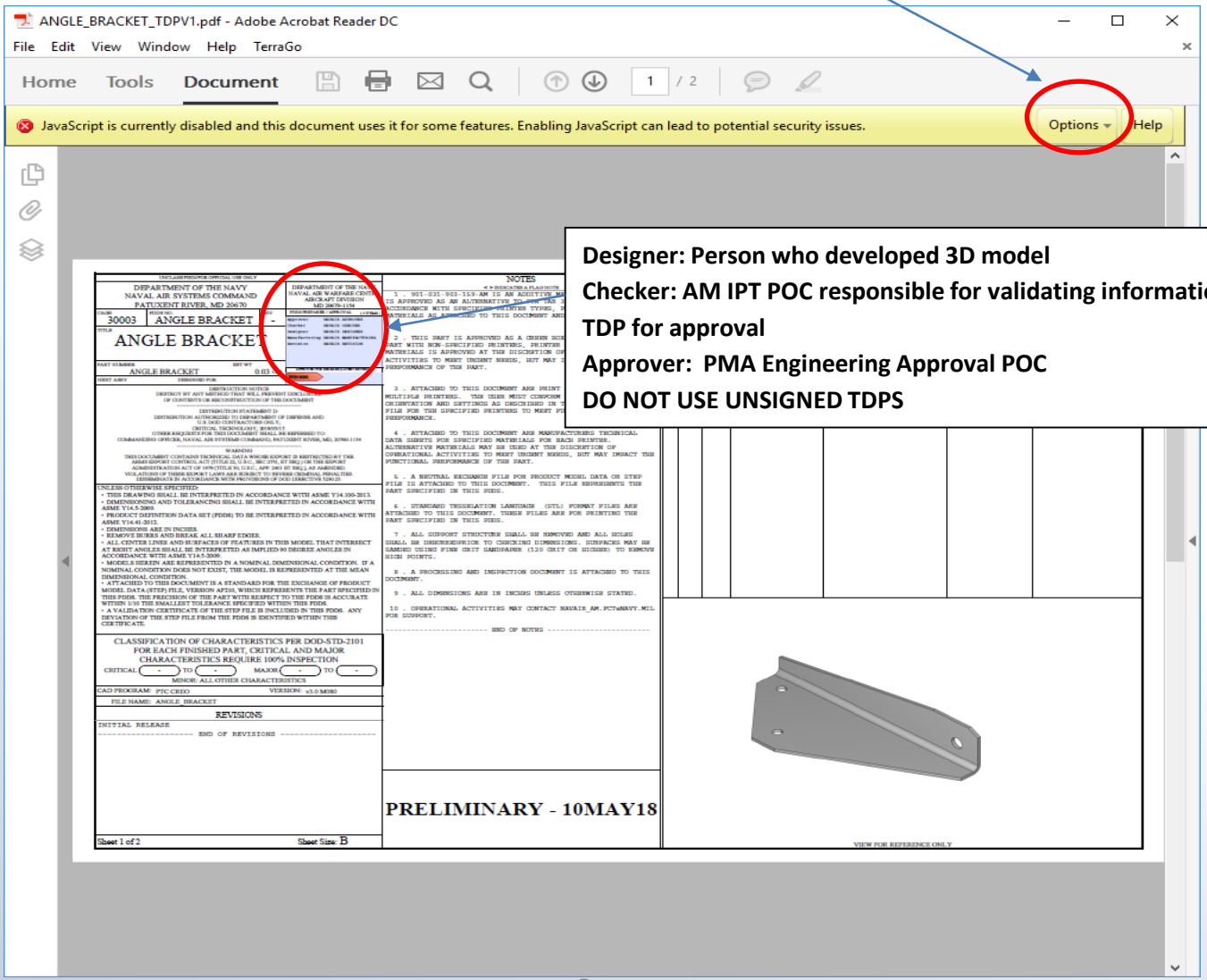
Green-Box Approved Parts
- AM Interim and Final TDPs
- Cross posted weekly lists

Blue-Box Approved Parts
- Approved Parts by TMS
- Lists of approved production sites
- Cross posted weekly lists
- Info on manufacturing qualification levels

Green-Box Approved Parts – User Share
- AM Job Aid and Tool TDPs
- Cross posted weekly lists

HOW TO USE A 3D TDP

1. **DOWNLOAD THE 3D TDP TO YOUR LOCAL MACHINE – OR YOU WILL NOT HAVE FULL FUNCTIONALITY**
2. **OPEN THE FILE USING A PDF READER PROGRAM. FOR EXAMPLE, ADOBE ACROBAT READER**
3. **ENABLE JAVASCRIPT BY CLICKING YELLOW BAR – OPTIONS BUTTON**

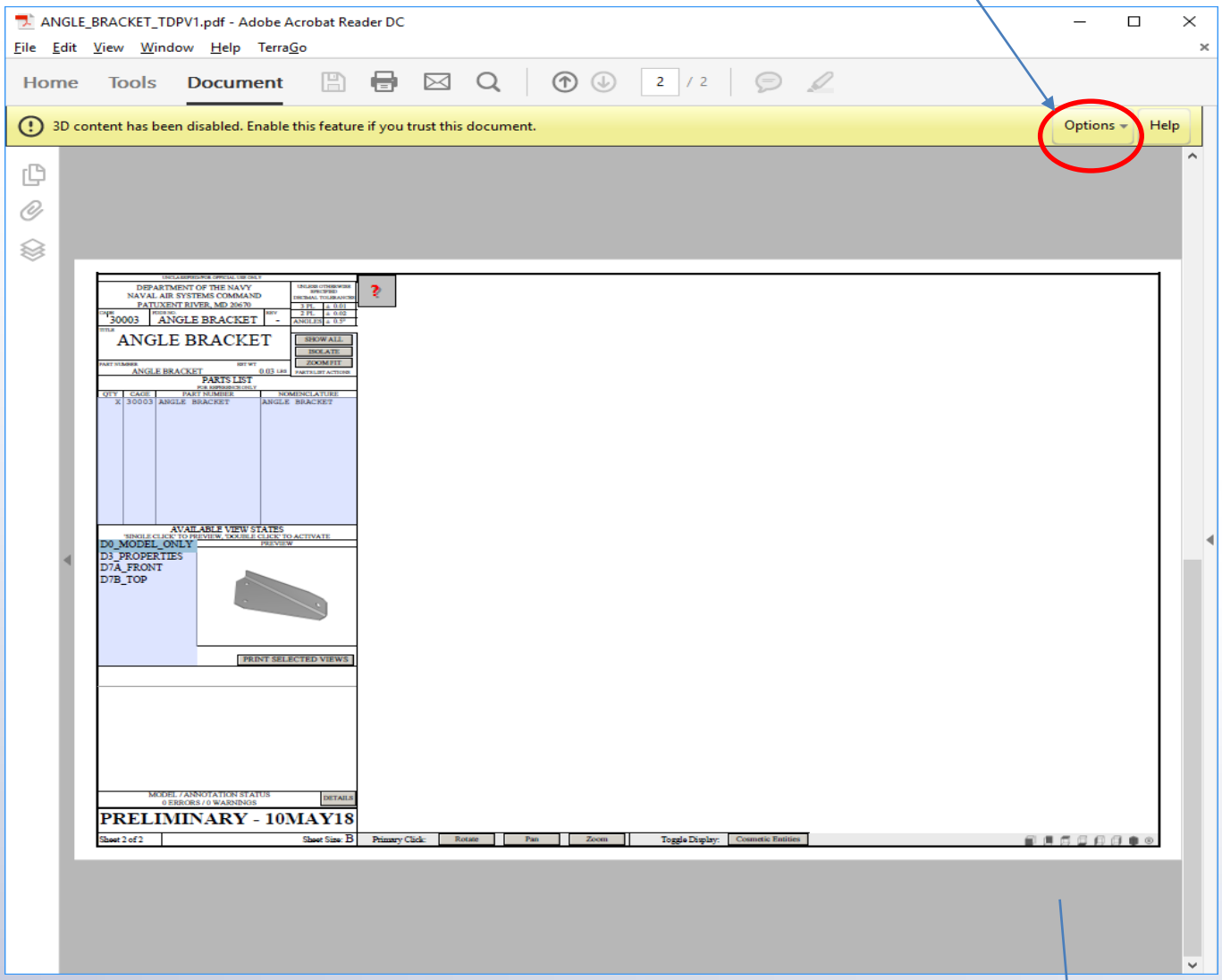


Designer: Person who developed 3D model
Checker: AM IPT POC responsible for validating information in TDP for approval
Approver: PMA Engineering Approval POC
DO NOT USE UNSIGNED TDPS

HOW TO USE A 3D TDP

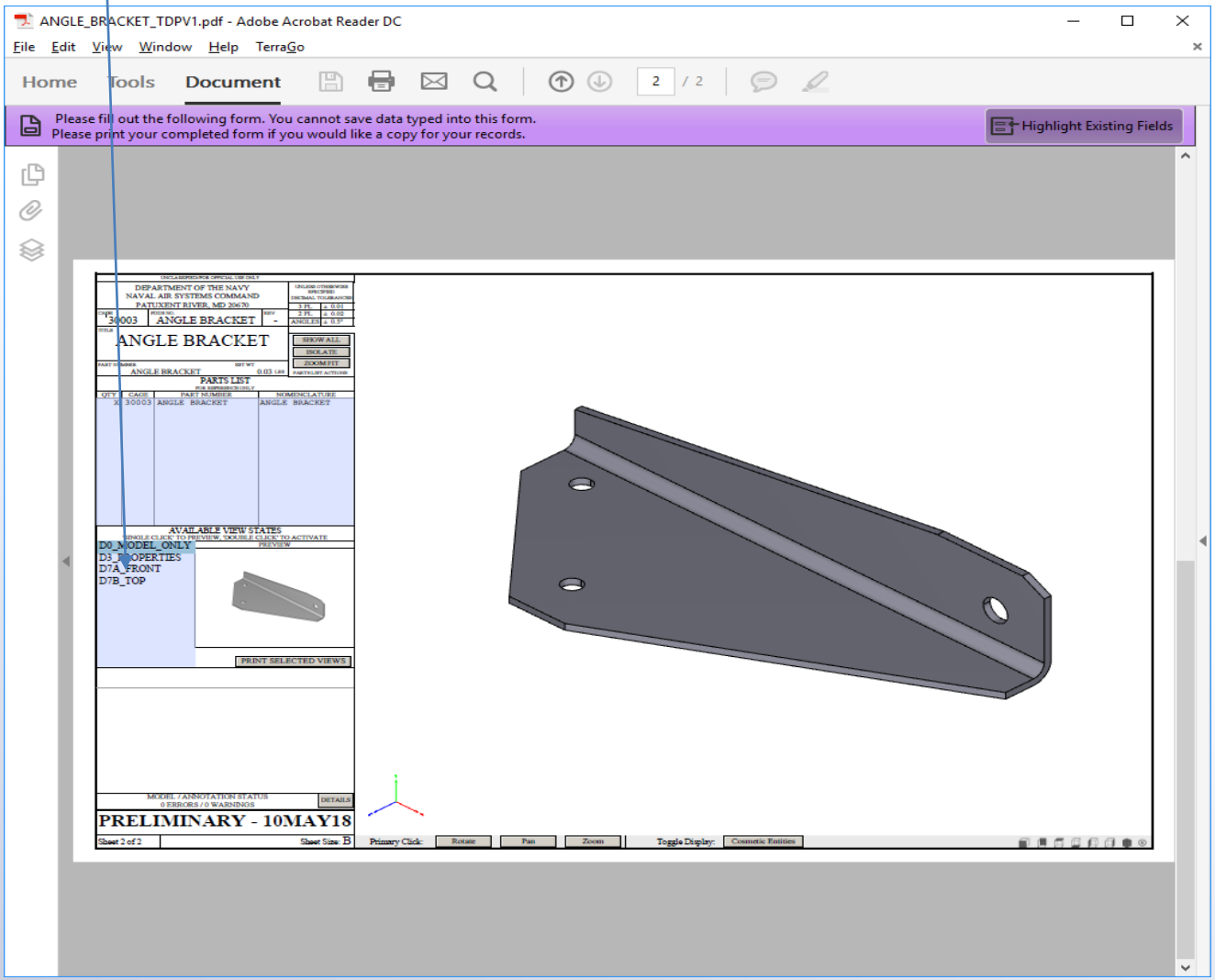
4. SCROLL DOWN TO SECOND PAGE OF DOCUMENT

5. ENABLE 3D CONTENT BY CLICKING YELLOW BAR – OPTIONS BUTTON



HOW TO USE A 3D TDP

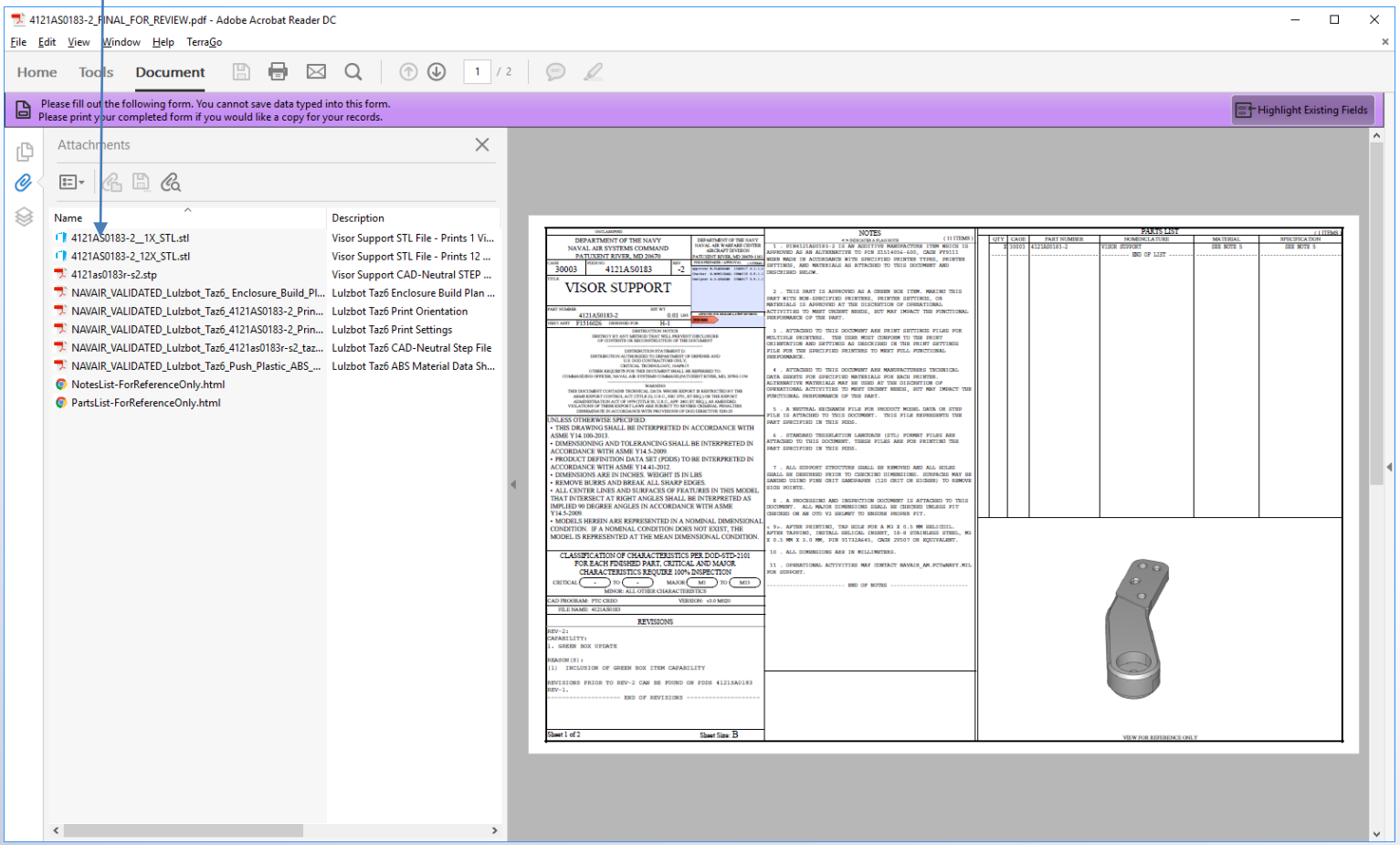
6. DOUBLE CLICK ON THE VIEWS FOR THE PART TO SEE CRITICAL DIMENSIONS



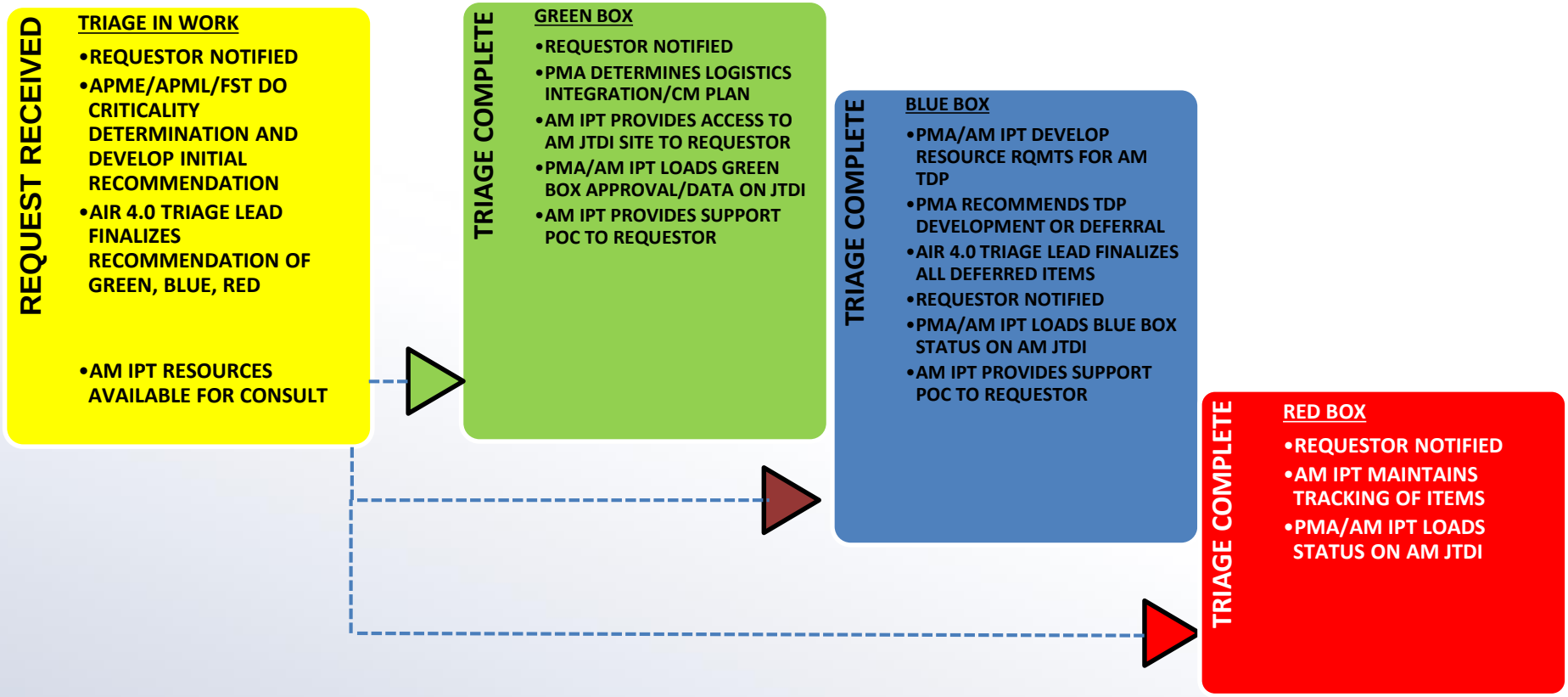
HOW TO USE A 3D TDP

7. ALL TDPS HAVE ATTACHMENTS!!!!

ATTACHMENTS CAN BE ACCESSED FROM ADOBE 'VIEW' MENU SELECT 'SHOW/HIDE->NAVIGATION PANES-> ATTACHMENTS' OR CLICK ON THE PAPERCLIP SYMBOL TO SEE LIST OF ATTACHMENTS.



NAVAIR AM Triage Process



Legend:

YELLOW	RECEIVED AND TRIAGE IN WORK
GREEN	GREEN BOX ITEMS DISPOSITIONED AS NO AIRWORTHINESS IMPACT – see CNAF Policy for Fleet Use
BLUE	BLUE BOX ITEMS REQUIRE NAVAIR SITE QUALIFICATION + TDP TO MEET AIRWORTHINESS/PERF
RED	RED BOX ITEMS ARE NOT APPROVED FOR AM

NAVAIR AM Qualified Parts List

Green Box Guidelines

No Airworthiness Requirement

Acceptable risk of failure of item

Fleet Approval to use AM based on FST disposition in accordance with CNAF Policy

Fleet can make using their printers and materials with AM TDP provided on AM JTDI site

AIRWORKS AM/DT IPT available for Fleet support/help needed

Blue Box Guidelines

•Airworthiness Requirement – NAVAIR Coordination Required

•Approved AM TDP must be used and will list manufacturing site "AM Qualification Level" required

•Printer sites must have approved printers and materials

•Operators trained to use AM TDP and printers

•Printer sites must have QA and Production Process Validation

•Printer sites must be approved at the "AM Qualification Level" required by the AM TDP