



AM JTDI SITE – [HTTPS://WWW.JTDI.MIL](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)

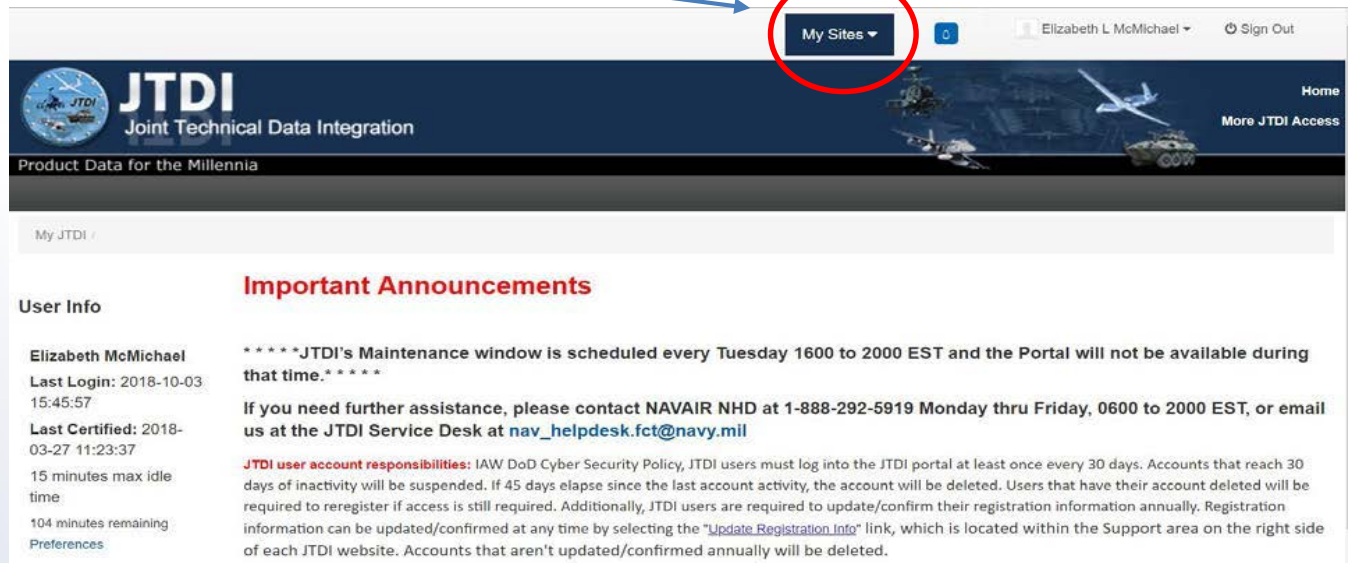
To request access to AM JTDI:

- 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’

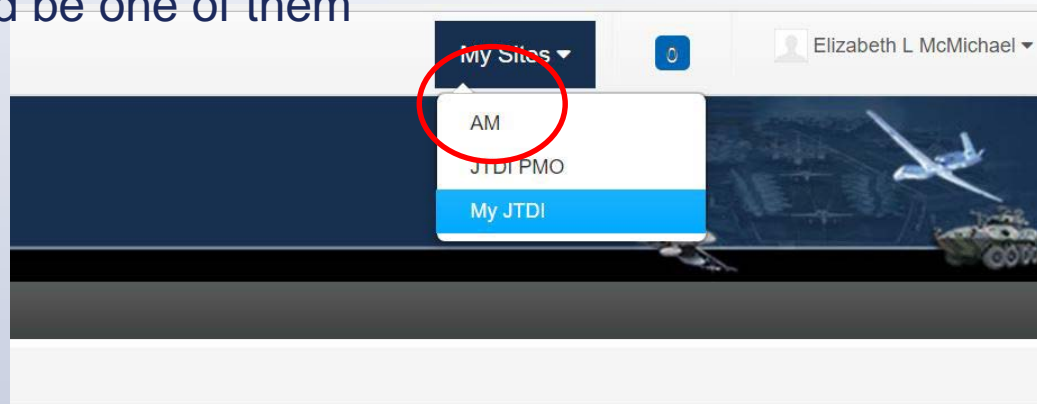


AM JTDI SITE TOP LEVEL STRUCTURE

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

The screenshot shows the AM JTDI Main Landing Page. At the top, there is a dark blue header with the 'Additive Manufacturing' logo. Below the logo, a tab bar contains three tabs: 'Marine Corps', 'NAVAIR', and 'NAVSEA'. The 'NAVSEA' tab is currently selected and highlighted. A red circle is drawn around the 'Additive Manufacturing' header and the tab bar. A blue arrow points from the text 'Click the area of interest to access' to this red circle. The main content area is divided into several sections: 'AM User Admin' with links for 'User Administration', 'Assign Privileges', and 'Send Mass Email'; 'Additive Manufacturing' with a search bar and a link to 'AM Guidance Background'; 'AM Help' with a link to 'Site POC: Charles Browne'; 'Account Help' with links for 'Update Registration Info' and 'Unregister from AM'; 'JTDI Support Details' with links for 'Customer Needs Form', 'JTDI Support Page', 'Documentation/User Guides', 'Required Plug-ins', and 'Send Content for Posting'; and 'What's New' with a list of recent updates.



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

The screenshot shows the NAVAIR AM JTDI site landing page. The header includes the NAVAIR logo, 'Additive Manufacturing', and navigation links for 'My Sites', 'Elizabeth L. McMichael', and 'Sign Out'. The main content area is titled 'AM NAVAIR Home' and features a search bar. Below the search bar, a red circle highlights the links 'Additive Manufacturing Parts Repository' and 'AM Guidance Background'. A blue arrow points from the text 'Click the area of interest to access' to this red circle. The page also includes a 'Navigation' section with links to 'Home', 'FAQ Administration', and 'AMPR Platform Data'. On the right side, there are sections for 'NAVAIR Help', 'Account Help', 'JTDI Support Details', and 'What's New'.



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

My Sites ▾ Elizabeth L. McMichael ▾ Sign Out

Additive Manufacturing

Sponsored by Joint Technical Data Integration

Marine Corps NAVAIR NAVSEA

AM / NAVAIR / AMPR Platform Data /

Search

Everything ▾ 🔍

Navigation

- Home
- FAQ Administration
- AMPR Platform Data

Additive Manufacturing Parts Repository

[AMPR Parts Search / Download](#)

[AMPR Parts Upload](#)

NAVAIR Help

[FAQ](#)

Account Help

[Update Registration Info](#)

JTDI Support Details

[Customer Needs Form](#)

[JTDI Support Page](#)

(For JTDI Issues Only)

[Documentation/User Guides](#)

[Required Plug-ins](#)

[Send Content for Posting](#)

What's New

08 Feb r1_c2.jpg

r1_c1.jpg

r1_c3.png



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

Upload Data

Enhanced Platform Data File Upload

Upload page for the Enhanced Platform Data portal

NOTE: If you need to upload multiple files, you should first zip them into a single .zip file and then upload the .zip file

* Fields indicated in red are required

Category*

Select a Data Type

AM MISCELLANEOUS

BLUE_BOX_APPROVED_PARTS

GREEN_BOX_APPROVED_PARTS

GREEN_BOX_APPROVED_PARTS_USER_SHARE

TRIAGE_PROCESS_UPLOAD

File*

File size can not exceed 20MB

Choose File No file chosen

Upload

Navigation

- Home
- FAC Administration
- AM/PT Platform Data

Search

Enhanced Platform Data File Upload

Upload page for the Enhanced Platform Data portal

NOTE: If you need to upload multiple files, you should first zip them into a single .zip file and then upload the .zip file

* Fields indicated in red are required

Category*

TRIAGE_PROCESS_UPLOAD

Platform*

Select an Item value

Blue Box Approved Parts

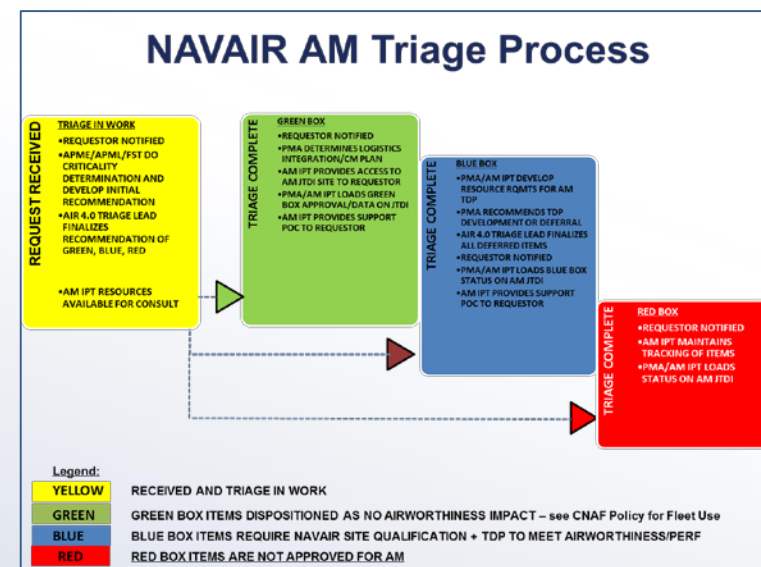
Fleet AM Job Aid Request

Fleet AM Part Request

Support Request

Other AM Request

Upload





NAVAIR AM JTDI SITE

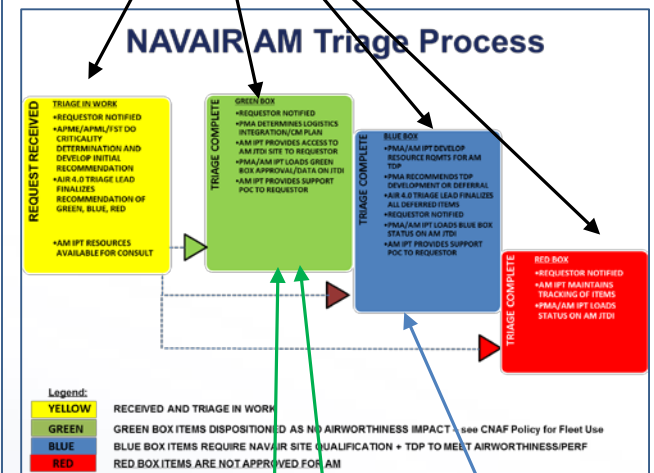
AM PARTS REPOSITORY DOWNLOAD

NAVAIR AM REPOSITORY STRUCTURED PER THE “NAVAIR AM TRIAGE PROCESS”

- **Select Category for Download – Note Downloads can be made from categories that have been Triageed 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 Triageed 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 Triageed 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

Green-Box Approved Parts – User Share

- AM Job Aid and Tool 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



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 ADOBE READER**
3. **ENABLE JAVASCRIPT BY CLICKING YELLOW BAR – OPTIONS BUTTON**

ANGLE_BRACKET_TDPV1.pdf - Adobe Acrobat Reader DC

File Edit View Window Help TerraGo

Home Tools Document

JavaScript is currently disabled and this document uses it for some features. Enabling JavaScript can lead to potential security issues.

Options Help

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

NOTES

1. THIS PART IS APPROVED AS A DESIGN FOR PART WITH NON-SPECIFIED PRINTING. PRINTED MATERIAL IS APPROVED BY THE DISCRETION OF ACTIVITIES TO MEET URGENT NEEDS, BUT MAY BE PERFORMANCE OF THE PART.

2. ATTACHED TO THIS DOCUMENT ARE PRINT MULTIPLE PRINTING. THE USER MUST CONSIDER ORIENTATION AND SETTINGS AS DESCRIBED IN THE FILE FOR THE SPECIFIED PRINTING TO MEET PERFORMANCE.

3. ATTACHED TO THIS DOCUMENT ARE MANUFACTURING TECHNICAL DATA SHEETS FOR SPECIFIED MATERIALS FOR EACH PRINTING. ALTERNATIVE MATERIALS MAY BE USED AT THE DISCRETION OF OPERATIONAL ACTIVITIES TO MEET URGENT NEEDS, BUT MAY IMPACT THE FUNCTIONAL PERFORMANCE OF THE PART.

4. A NEUTRAL EXCHANGE FILE FOR PRODUCT MODEL DATA OR STEP FILE IS ATTACHED TO THIS DOCUMENT. THIS FILE REPRESENTS THE PART SPECIFIED IN THIS FILE.

5. STANDARD TOLERANCE LANGUAGE (STL) FORMAT FILES ARE ATTACHED TO THIS DOCUMENT. THESE FILES ARE FOR PRINTING THE PART SPECIFIED IN THIS FILE.

6. ALL SUPPORT STRUCTURE SHALL BE REMOVED AND ALL BOLTS SHALL BE ENGINEERED PRIOR TO CHUCKING DIMENSIONS. SURFACES MAY BE SANDING USING FINE GRIT SANDPAPER 1100 GRIT OR BIGGER TO REMOVE BURN POINTS.

7. A PROCESSING AND INSPECTION DOCUMENT IS ATTACHED TO THIS DOCUMENT.

8. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE STATED.

9. OPERATIONAL ACTIVITIES MAY CONTACT NAVAIR_AM_PCT@NAVY.MIL FOR SUPPORT.

END OF NOTES

CLASSIFICATION OF CHARACTERISTICS PER DOD-STD-2101 FOR EACH FINISHED PART. CRITICAL AND MAJOR CHARACTERISTICS REQUIRE 100% INSPECTION

CRITICAL () TO () MARK () TO ()

NAME: ALL OTHER CHARACTERISTICS

CAD PROGRAM: PTC CREO VERSION: v5.0.M000

FILE NAME: ANGLE_BRACKET

REVISIONS

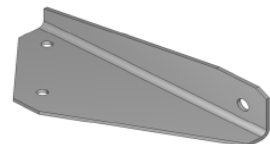
INITIAL RELEASE

END OF REVISIONS

PRELIMINARY - 10MAY18

Sheet 1 of 2 Sheet Size B5

VIEW FOR REFERENCE ONLY

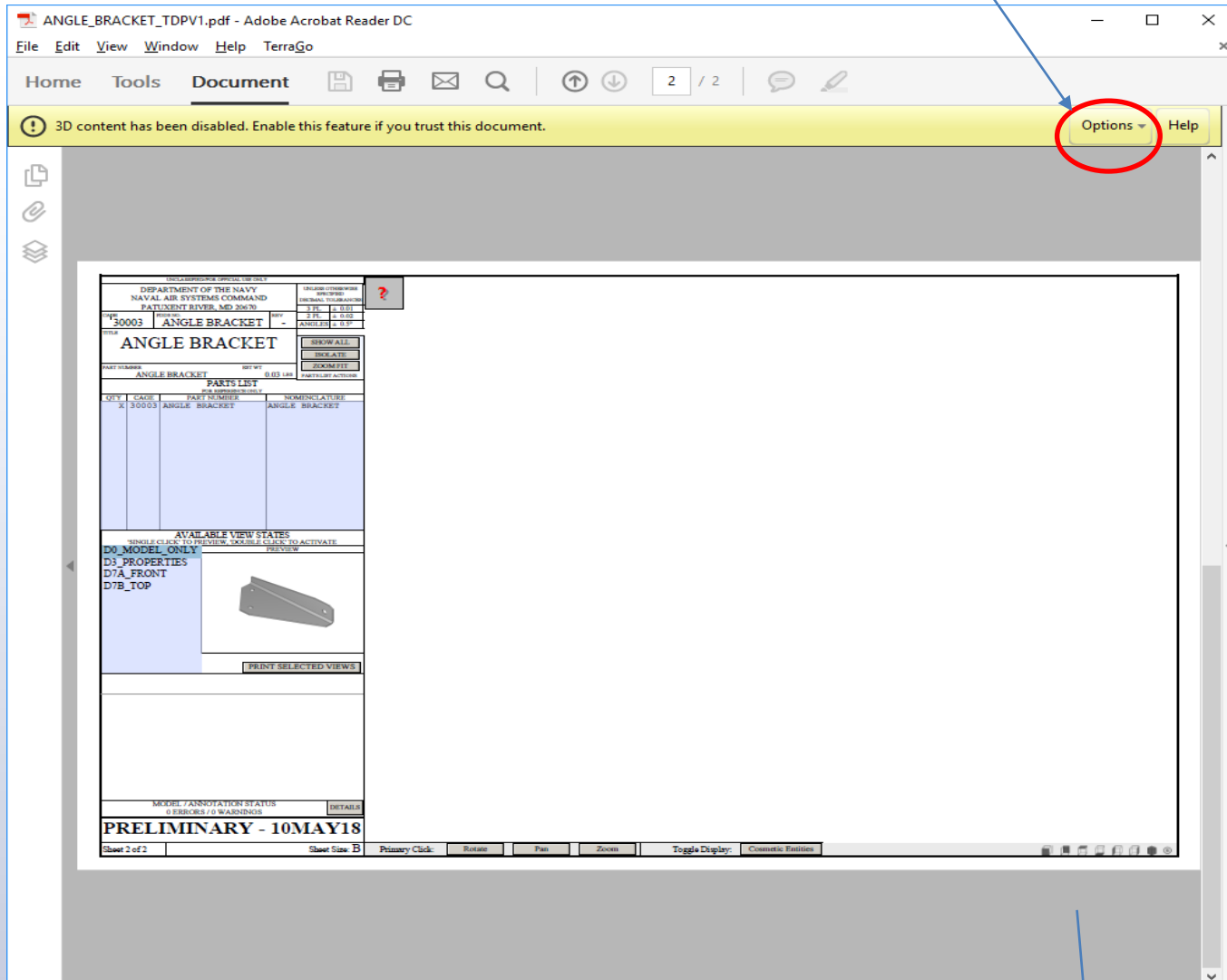




HOW TO USE A 3D TDP

4. SCROLL DOWN TO SECOND PAGE OF DOCUMENT

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





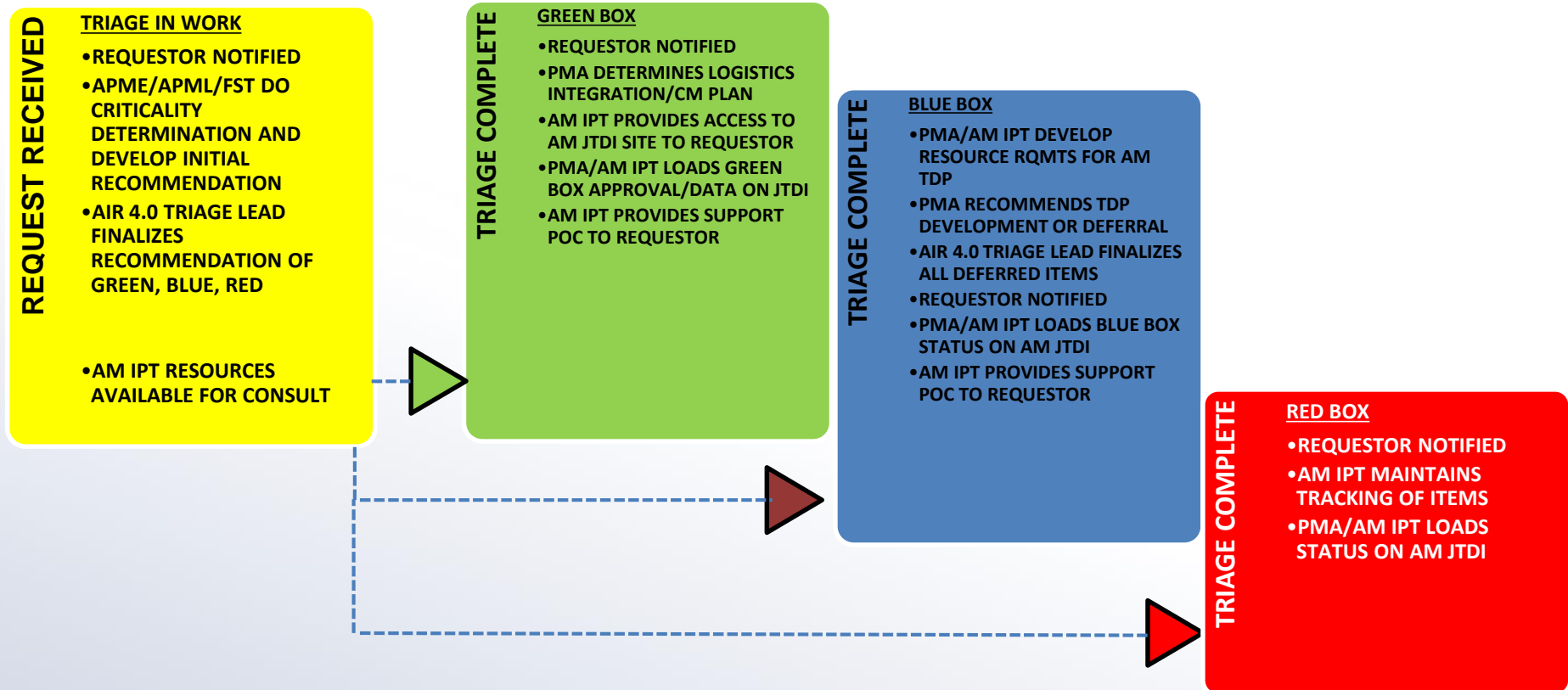


ATTACHMENTS CAN BE ACCESSED FROM ADOBE 'VIEW' MENU SELECT 'SHOW/HIDE->NAVIGATION PANES-> ATTACHMENTS' OR CLICK ON THE PAPERCLIP SYMBOL TO SEE LIST OF ATTACHMENTS.





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