



DEFENSE LOGISTICS AGENCY
LAND AND MARITIME
POST OFFICE BOX 3990
COLUMBUS, OH 43218-3990

June 18, 2025

Dear Sir or Madam:

Re: Industry Distribution, Hybrid Microcircuits MIL-PRF-38534 Class K Requalification, Notification of Overdue Test Plan and Test Report Submittals, FSC 5962, VQH-25-039639, Control Number 092140

Recipients of this letter are hereby notified of the following for immediate action:

Paragraph C.6.3.3.b of MIL-PRF-38534 Rev. L, dated 3 December 2019, requires that "Group C inspection will be performed periodically within a maximum of five years for periodic re-qualification." Paragraph C.7.4 of MIL-PRF-38534 supplies the following NOTE: "For Class K devices qualified after 06/03/2020, requalification per Table C-Xc under the QML column will be required no later than five years after original qualification date and no later than every five years thereafter. For Class K devices qualified prior to 06/03/2020, requalification per Table C-Xc under the QML column will be required no later than 06/03/2025 and no later than every five years thereafter."

DLA published letter VQH-24-038930 Industry Distribution, Hybrid Microcircuits MIL-PRF-38534 Class K requalification (Attachment A) dated September 10, 2024, to reiterate the submittal requirements and timeline necessary to comply with this requirement. To date, many Class K certified companies have not completed the required requalification and submitted the test data. DLA is providing notification to QML-38534 Class K certified companies to obtain approval for their test plans. If you currently are a Class K company, and want to maintain Class K certification, please submit the items listed in Attachment A (Industry Distribution, Hybrid Microcircuits MIL-PRF-38534 Class K requalification) within 30 days of the date of this letter. For further information on documents required in the submission see Attachment B (JC-13.5 VQH Presentation 5.20.25).

Class K certified companies must have an approved requalification tracking system, plan to cover all Class K processes and materials, 19H for each qualification vehicle, and milestone chart by December 3, 2025.

Class K certification will be removed for the following reasons:

1. Failure to respond within 30 days of this letter.
2. Class K certified company does not have an approved requalification tracking system, plan to cover all class K processes and materials, 19H for each qualification vehicle, and milestone chart by December 3, 2025.
3. Class K certified company deviates from approved milestone chart without DLA approval.

Any company that has Class K certification removed for the reasons stated above will have to use the initial qualification process to regain Class K certification.

Please contact your assigned VQH company coordinator for further information and to submit the required documentation.

Sincerely,

DESlich.BRADL
EY.P.1230122659

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Date: 2025.06.18 13:50:59 -04'00'

BRADLEY P. DESLICH
Chief
Hybrid Devices Branch



DEFENSE LOGISTICS AGENCY
LAND AND MARITIME
POST OFFICE BOX 3990
COLUMBUS, OH 43218-3990

September 10, 2024

Dear Sir or Madam:

Re: Industry Distribution, Hybrid Microcircuits MIL-PRF-38534 Class K requalification, FSC 5962, VQH-24-038930, Control Number 088935

Paragraph C.6.3.3.b of MIL-PRF-38534 Rev. L, dated 3 December 2019, requires that "Group C inspection will be performed periodically within a maximum of five years for periodic re-qualification." For Class K devices qualified after 06/03/2020, requalification per Table C-Xc under the QML column will be required no later than five years after original the qualification date and no later than every five years thereafter. For Class K devices qualified prior to 06/03/2020, requalification per Table C-Xc under the QML column will be required no later than 06/03/2025 and no later than every five years thereafter.

The qualifying activity has begun evaluating current Class K certified companies' requalification plans. If you are currently a Class K certified company, please provide the following to your Defense Logistics Agency Land and Maritime qualifying activity contact.

1. The method your company is using to track the requalification status of Class K materials and processes. This should tie into the conversion of customer requirements process that is used to ensure all qualified products are within the qualified material and process set.
2. Your company's plan for requalification. Does your company plan on running specific qualification lots prior to the 6/3/2025 deadline or waiting for an order that utilizes these process and materials?
3. Expected timelines when this testing will be started and submitted to DLA.

Things to consider when submitting your plans:

1. All qualification failures must be reported to the qualifying activity immediately and testing must stop until directed otherwise by the qualifying activity.
2. Qualification devices should not include getter. If the devices being used for the requalification are part of a customer order that requires the use of getter, this may be waived, but needs to be approved in advance by the qualifying activity.
3. A Form19H must be approved by the qualifying activity prior to performing the qualification testing.
4. Class H devices may be used for the requalification. Companies should consider performing 320 hours of burn in prior to C2 testing as DLA has several instances of this causing some units to fail with the additional 160 hours of burn in.
5. At this time, the qualifying activity is interpreting the requalification requirement in paragraph C.6.3.3.b to **not** require requalification of rework, marking, or 5011 qualification requirements.
6. Life testing being performed to subgroup C2, as part of this requalification, is not required to be completed, but should have commenced, before shipment of the remainder of the devices being requalified by that testing. If so, follow paragraph C.6.1 of MIL-PRF-38534.
7. The number of devices that will be required for the C2 requalification testing will be based on MIL-PRF-38534 paragraph C.6.3.3.1.c.

8. MIL-PRF-38534 paragraph C.6.3.3.b has the allowance "The qualifying or acquiring activity may shorten the periodicity requirement as needed for certain products based upon program needs, product failures, etc." The company's system submitted to the qualifying activity should allow for the tracking of requalification schedules that can be less than 5 years.
9. Based on the above information that is submitted and the amount of testing that will be required, the qualifying activity may only review a sample of the requalification data. Qualification plans and any proposed changes to those plans need to be clearly communicated to the qualifying activity without delay. The qualifying activity will communicate to the company what test data is to be submitted, but will reserve the option to request all test data.

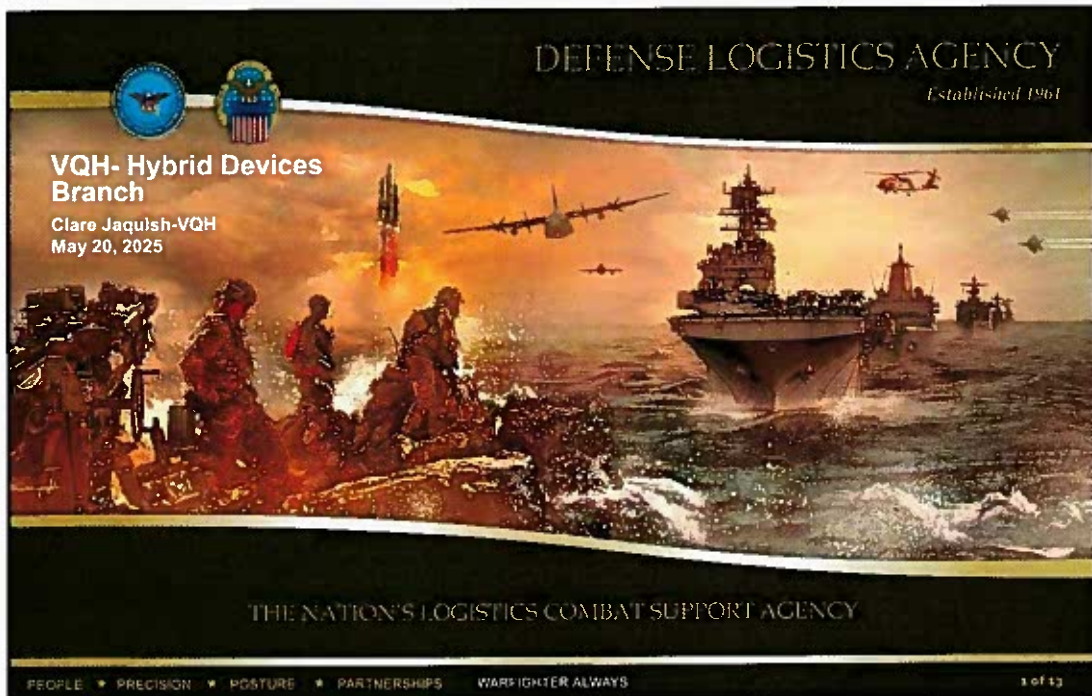
If you have any questions concerning this letter, please contact Mr. Miller at (614) 692-2908 or daniel.miller@dla.mil or your applicable qualifying activity contact.

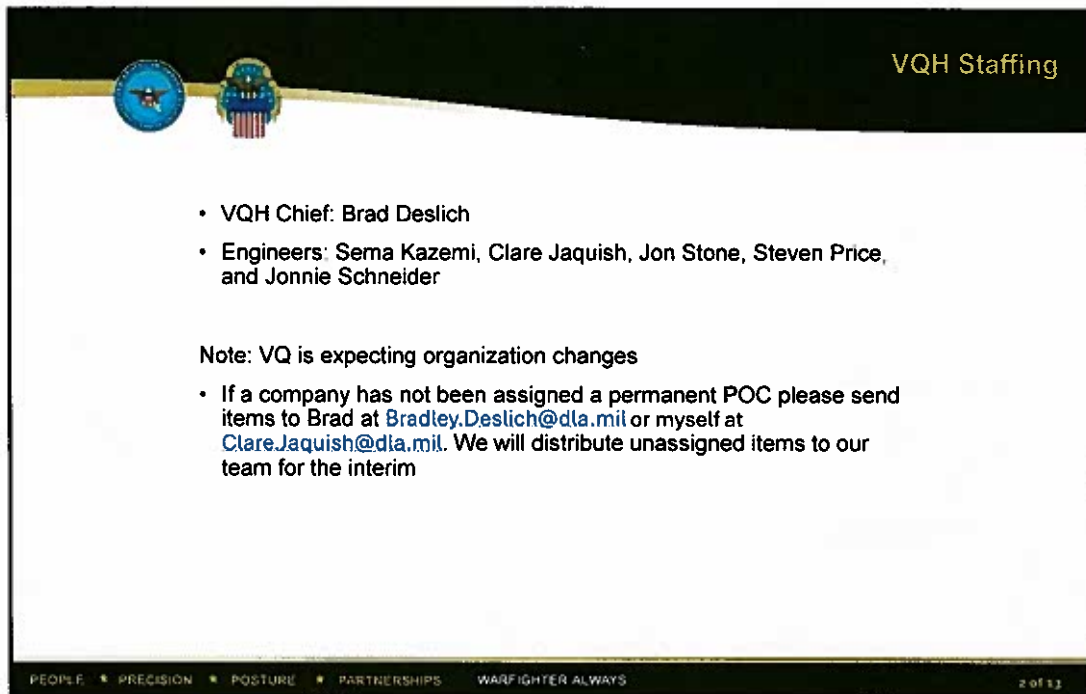
Sincerely,

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Date: 2024.09.10 14:01:58 -04'00'

BRADLEY P. DESLICH
Chief
Hybrid Devices Branch





The slide features a black header with the text "VQH Staffing" in yellow. On the left side of the header, there are two circular logos: the first is blue with a white star and a yellow swoosh, and the second is a stylized American flag. The main body of the slide is white and contains a bulleted list of staff members and a note about organization changes. At the bottom, there is a black footer bar with the text "PEOPLE * PRECISION * POSTURE * PARTNERSHIPS * WARFIGHTER ALWAYS" in white, and the page number "2 of 13" in the bottom right corner.

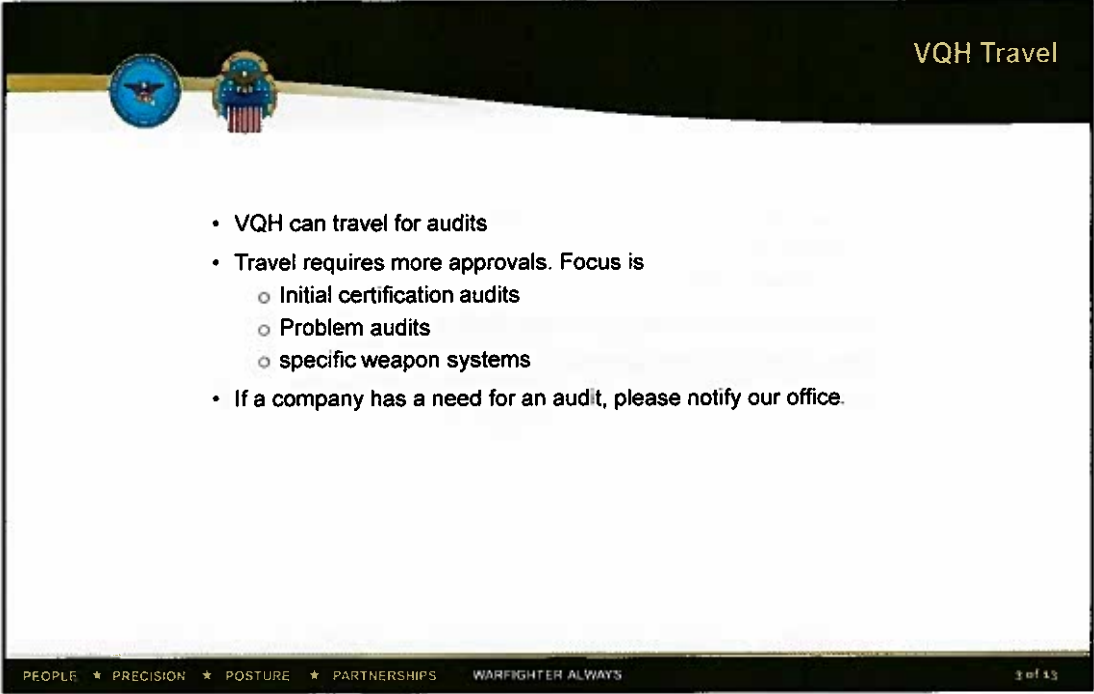
VQH Staffing

- VQH Chief: Brad Deslich
- Engineers: Sema Kazemi, Clare Jaquish, Jon Stone, Steven Price, and Jonnie Schneider

Note: VQ is expecting organization changes

- If a company has not been assigned a permanent POC please send items to Brad at Bradley.Deslich@dla.mil or myself at Clare.Jaquish@dla.mil. We will distribute unassigned items to our team for the interim

PEOPLE * PRECISION * POSTURE * PARTNERSHIPS * WARFIGHTER ALWAYS 2 of 13

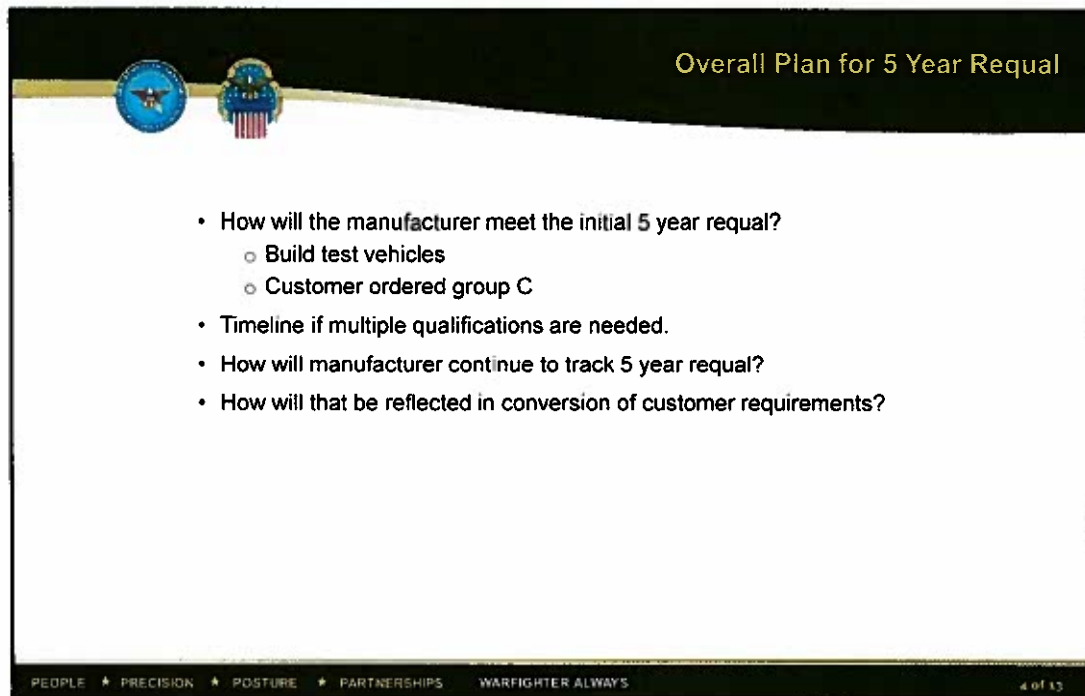


The slide features a black header with the title "VQH Travel" in yellow. On the left, there are two circular logos: the first is blue with a white eagle, and the second is a circular seal with an American flag motif. The main content area is white and contains a bulleted list. The footer is black with white text for the organization's motto and a page number.

VQH Travel

- VQH can travel for audits
- Travel requires more approvals. Focus is
 - Initial certification audits
 - Problem audits
 - specific weapon systems
- If a company has a need for an audit, please notify our office.

PEOPLE ★ PRECISION ★ POSTURE ★ PARTNERSHIPS WARFIGHTER ALWAYS 3 of 13



The slide features a dark header with the title "Overall Plan for 5 Year Requal" in yellow. On the left, there are two circular logos: the Department of Defense seal and the Joint Air Force seal. The main content area is white and contains a bulleted list of questions. The footer is dark and contains the text "PEOPLE ★ PRECISION ★ POSTURE ★ PARTNERSHIPS WARFIGHTER ALWAYS" and "4 of 13".

Overall Plan for 5 Year Requal

- How will the manufacturer meet the initial 5 year requal?
 - Build test vehicles
 - Customer ordered group C
- Timeline if multiple qualifications are needed.
- How will manufacturer continue to track 5 year requal?
- How will that be reflected in conversion of customer requirements?

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Overall Plan needs to answer these questions

Overall Plan needs to tell DLA how many qualification vehicles will be used

Timeline/ Milestone Chart is required. This can be for each individual 19H or one timeline/ milestone chart that includes all qualification vehicles.

19H Overview



QUALIFICATION TESTING NOTIFICATION
 (required for each device type to be used as a QMIL test vehicle)

Section I
(to be completed by manufacturer and submitted to DA, A VQIT)

1. Complete Name and Address: _____

2. U.S. Military General Specification: **900-723-2030**

3. Description of Equipment: _____

4. Current Location: _____

5. Manufacturer's Name: _____

NOTE: This device is to be used as a test vehicle for the development and testing of a new or improved device.

Quantity	Device	Manufacturer's Designation	Approved Use ID

Section II
(to be completed by manufacturer and submitted to DA, A VQIT)

1. Initial Qualification: ☐ Major Qualification: ☐ Minor Qualification: ☐

2. Full Qualification: ☐ Subsequent Qualification: ☐ New Qualification: ☐ Renewal: ☐

3. Qualification: ☐ Discontinue: ☐ For Legal Use: ☐ Other: ☐

Section III
(to be completed by manufacturer and submitted to DA, A VQIT with the test report)

1. Qualification: ☐ Major Qualification: ☐ Minor Qualification: ☐

2. Full Qualification: ☐ Subsequent Qualification: ☐ New Qualification: ☐ Renewal: ☐

3. Qualification: ☐ Discontinue: ☐ For Legal Use: ☐ Other: ☐

Section IV
(to be completed by manufacturer and submitted to DA, A VQIT)

1. Qualification: ☐ Major Qualification: ☐ Minor Qualification: ☐

2. Full Qualification: ☐ Subsequent Qualification: ☐ New Qualification: ☐ Renewal: ☐

3. Qualification: ☐ Discontinue: ☐ For Legal Use: ☐ Other: ☐

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Most often the issues we see are with the first and fourth box
 Most often manufacturers are not submitting the documents listed in these boxes

First Box



Section I (to be completed by manufacturer and submitted to DLA-VQII)	
Company Name and Mailing Address:	
U. S. Military General Specification: MIL-PRF-38534	
Conversion of Customer Requirements Document (w/ revision):	
Generic Flowchart (w/ revision):	
Baseline Document Listing (w/ revision):	
NOTE: No deviations or waivers to the above specification or test requirements are permitted without prior approval from DLA-VQII	

- DLA must have up to date documents listed in this box

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First Box: Upon submitting the 19 H manufacturers need to make sure DLA has up to date documents listed in this section.

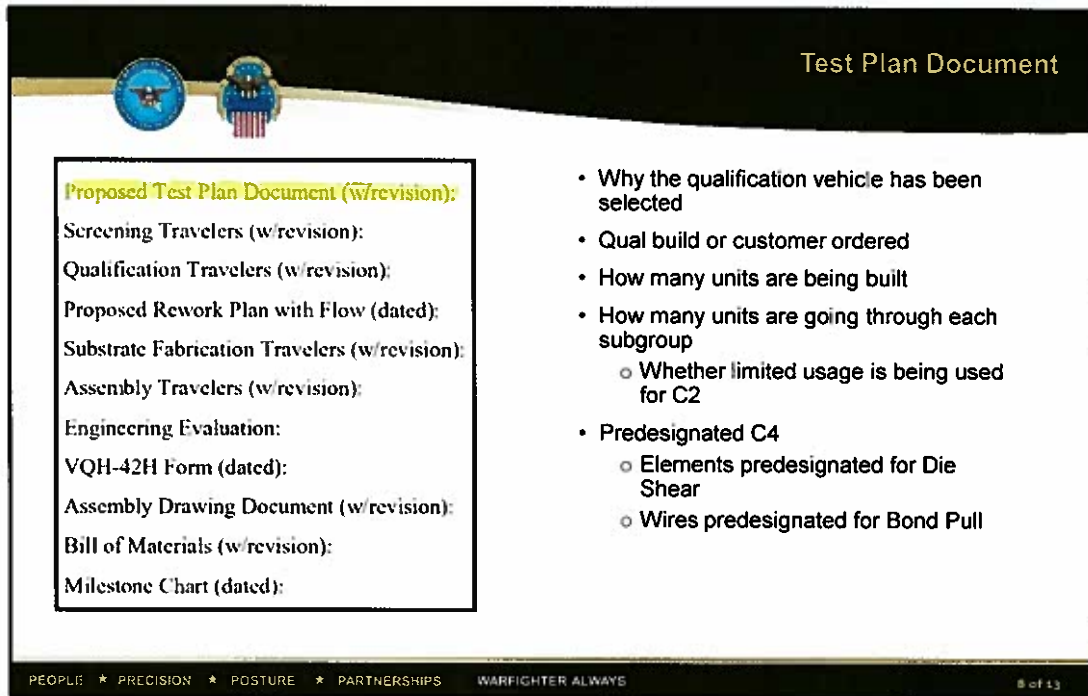
Fourth Box

- Proposed Test Plan Document (w/revision):
- Screening Travelers (w/revision):
- Qualification Travelers (w/revision):
- Proposed Rework Plan with Flow (dated):
- Substrate Fabrication Travelers (w/revision):
- Assembly Travelers (w/revision):
- Engineering Evaluation:
- VQH-42H Form (dated):
- Assembly Drawing Document (w/revision):
- Bill of Materials (w/revision):
- Milestone Chart (dated):

- All documents listed must be submitted with 19H
- Items highlighted not required for 5 year requal

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Test Plan Document

Proposed Test Plan Document (w/revision):

- Screening Travelers (w/revision):
- Qualification Travelers (w/revision):
- Proposed Rework Plan with Flow (dated):
- Substrate Fabrication Travelers (w/revision):
- Assembly Travelers (w/revision):
- Engineering Evaluation:
- VQH-42H Form (dated):
- Assembly Drawing Document (w/revision):
- Bill of Materials (w/revision):
- Milestone Chart (dated):

- Why the qualification vehicle has been selected
- Qual build or customer ordered
- How many units are being built
- How many units are going through each subgroup
 - Whether limited usage is being used for C2
- Predesignated C4
 - Elements predesignated for Die Shear
 - Wires predesignated for Bond Pull

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Test plan should explain whether qual vehicles are being built or if customer is paying for group C.

Test plan document should cover what the qualification vehicle is and why it has been selected,

how many units are being built, how many units are being sent through C1,

how many units are being sent through C2 at time of group c test and if limited usage is being used,

how many units are being sent through C3 and what lab is being used,

how many units are going through C4 and predesignate wires for bond pull and elements for die shear.

Should indicate what testing is being performed in house and what is outsourced.



Travelers

Proposed Test Plan Document (w/revision):

Screening Travelers (w/revision):

Qualification Travelers (w/revision):

Proposed Rework Plan with Flow (dated):

Substrate Fabrication Travelers (w/revision):

Assembly Travelers (w/revision):

Engineering Evaluation:

VQH-42H Form (dated):

Assembly Drawing Document (w/revision):

Bill of Materials (w/revision):

Milestone Chart (dated):

- Minimum of blank copies of travelers are required
 - Coverage of quantities for build and subgroups if prefilled out

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Optional addition of quantities prefilled out on travelers can be used to inform DLA of quantities for group C subgroups

VQH-42H

Proposed Test Plan Document (w/revision):
Screening Travelers (w/revision):
Qualification Travelers (w/revision):
Proposed Rework Plan with Flow (dated):
Substrate Fabrication Travelers (w/revision):
Assembly Travelers (w/revision):
Engineering Evaluation:
VQH-42H Form (dated):
Assembly Drawing Document (w/revision):
Bill of Materials (w/revision):
Milestone Chart (dated):

- No redlines
- 42H can be used to highlight or indicate what processes and materials are being covered

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Assembly Drawing

Proposed Test Plan Document (w/revision):
Screening Travelers (w/revision):
Qualification Travelers (w/revision):
Proposed Rework Plan with Flow (dated):
Substrate Fabrication Travelers (w/revision):
Assembly Travelers (w/revision):
Engineering Evaluation:
VQH-42H Form (dated):
Assembly Drawing Document (w/revision):
Bill of Materials (w/revision):
Milestone Chart (dated):

- Can be used to indicate what wires and elements are being used for C4

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Milestone Chart

Proposed Test Plan Document (w/revision):
Screening Travelers (w/revision):
Qualification Travelers (w/revision):
Proposed Rework Plan with Flow (dated):
Substrate Fabrication Travelers (w/revision):
Assembly Travelers (w/revision):
Engineering Evaluation:
VQH-42H Form (dated):
Assembly Drawing Document (w/revision):
Bill of Materials (w/revision):
Milestone Chart (dated):

- Milestone charts will be required for 5 year requal
 - Can be same milestone chart for entire 5 year requal or individual requal effort

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