

California Department of Transportation

Authorization Criteria:

Battery Backup Systems



NOTICE:

The following AML Criteria(s) are only valid for a select number of contracts which have been identified to participate in the Department Furnished to Contractor Furnished Material Pilot Program.

The following AML Criteria may not be used for any other contracts, specifications, or anything else not pertaining to the Pilot Program.

For a full list of contracts which are participating in this Pilot Program, please contact Jeff Forrester at jeff.forester@dot.ca.gov. The contract list shall be updated as more contracts are identified to be included in this Pilot Program.

Note: Caltrans reserves the right to remove a product from the Authorized Materials List at any time. Any changes to a product's fit, form, or function may necessitate resubmission and reapproval to remain on the Authorized Materials List.



Battery Backup System (BBS)

General:

The following procedures are required to authorize Battery Backup System suppliers for inclusion in the Authorized Materials List (AML) for Battery Backup Systems. Battery Backup System shall include, but not limited to the following: Inverter/Charger, Power Transfer Relay, a separate manually operated non-electronic Bypass Switch, Battery Cable Harness, EIA mounting brackets and all necessary hardware and interconnect wiring.

Suppliers approved for the Authorized Materials List (AML) will be included for 2 calendar years from the date of approval. If a supplier wishes to remain on the AML after the 2 calendar years, they must complete the Authorized Material List Submittal Form TL-9502 25 work weeks prior to the approval expiration date. If the supplier is again approved, the listing will be extended another 2 calendar years from the end of that expiration date.

BBS Authorization Criteria:

All BBS to be used by the State of California Department of Transportation for the Contractor Furnished Traffic Control Equipment Pilot Program shall be on the Caltrans Authorized Material List before incorporation into any preapproved construction project. Prior to submittal, manufacturer shall verify units meet all specifications as listed in TEES 2009 including Errata 1, Errata 2, Errata 3 and Errata 4. Authorization of this material also requires the following:

1. Manufacturer/Supplier Provides:
 - 1.1. Completed Authorized Material List Submittal Form TL-9502.
 - 1.2. Product spec sheet.
 - 1.3. Signed Certificate of Compliance.
 - 1.4. Description of Manufacturers Quality Control (QC) Procedures.
 - 1.4.1. Manufacturers are responsible for QC Testing of material and maintaining records of test data.
 - 1.4.2. METS Electrical Testing will review the QC Procedure and accept or reject it.
 - 1.5. Electronic document clearly defining the material Warranty.
 - 1.5.1. Include the length of time the Warranty is good for.
 - 1.5.2. Include the process to resolve Warranty issues.

Note: Caltrans reserves the right to remove a product from the Authorized Materials List at any time. Any changes to a product's fit, form, or function may necessitate resubmission and reapproval to remain on the Authorized Materials List.



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- 1.6. One complete material sample unit for each submittal. This sample will remain with METS Electrical Testing for the lifetime of the AML, after which it will be returned to the manufacturer.
- 1.7. Ship the required reports and sample to the Caltrans' Transportation Laboratory in Sacramento:

California Department of Transportation
Materials Engineering and Testing Services
MS #5: Electrical Testing Branch
5900 Folsom Boulevard
Sacramento, CA 95819-4612

2. Caltrans will:
 - 2.1 Ensure all required documentation is received.
 - 2.2 Review the technical information.
 - 2.3 Evaluate submitted samples for Compliance with the listed Caltrans Specifications. Caltrans testing will verify the functionality, electrical and physical/mechanical performance per the listed specifications.
 - 2.4 Retain sample unit submitted for verification as long as manufacturer remains on the AML.
 - 2.5 Upon evaluation of the submitted technical information and Caltrans test results, Caltrans will issue an acceptance letter valid for two years or a rejection letter.
 - 2.6 Update the Caltrans Authorized Material List, if applicable.
 - 2.7 Request re-submittal of the qualification package from the manufacturer every two years. Re-authorization is required every two years to maintain AML status. The Manufacturer/Supplier is required to provide all submittals listed in the General section.

For more information, you may contact the Electrical Testing Branch:

Thong Minh Nguyen at thong.minh.nguyen@dot.ca.gov

Justin Ellis at justin.ellis@dot.ca.gov

Note: Caltrans reserves the right to remove a product from the Authorized Materials List at any time. Any changes to a product's fit, form, or function may necessitate resubmission and reapproval to remain on the Authorized Materials List.



Green Battery Backup System (Green BBS)

General:

Suppliers approved for the Authorized Materials List (AML) will be included for 2 calendar years from the date of approval. If a supplier wishes to remain on the AML after the 2 calendar years, they must complete the Authorized Material List Submittal Form TL-9502 25 work weeks prior to the approval expiration date. If the supplier is again approved, the listing will be extended another 2 calendar years from the end of that expiration date.

The following procedures are required to authorize Green Battery Backup System suppliers for inclusion in the Authorized Materials List (AML):

Green Battery Backup System Authorization Criteria:

All Green Battery Backup Systems to be used by the State of California Department of Transportation for the Contractor Furnished Traffic Control Equipment Pilot Program shall be on the Caltrans Authorized Material List before incorporation into any preapproved construction project. Prior to submittal, manufacturer shall verify units meet all specifications as listed in TEES 2009 including Errata 1, Errata 2, and Errata 3. Authorization of this material requires the following:

1. Being listed on the Caltrans Qualified Products List dated 3/5/2020.
2. Completed Authorized Material List Submittal Form TL-9502.
3. Electronic document clearly defining the material Warranty.
 - 3.1. Include the length of time the Warranty is good for.
 - 3.2. Include the process to resolve Warranty issues.
4. Signed Certificate of Compliance.
5. Description of Manufacturers Quality Control (QC) Procedures.
 - 5.1. Manufacturers are responsible for QC Testing of material and maintaining records of test data.
 - 5.2. METS Electrical Testing will review the QC Procedure and accept or reject it.
6. One complete material sample unit for each submittal. This sample will remain with METS Electrical Testing for the lifetime of the AML, after which it will be returned to the manufacturer.

Note: Caltrans reserves the right to remove a product from the Authorized Materials List at any time. Any changes to a product's fit, form, or function may necessitate resubmission and reapproval to remain on the Authorized Materials List.



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Battery Backup Systems

For more information, you may contact the Electrical Testing Branch:

Thong Minh Nguyen at thong.minh.nguyen@dot.ca.gov

Justin Ellis at justin.ellis@dot.ca.gov

Note: Caltrans reserves the right to remove a product from the Authorized Materials List at any time. Any changes to a product's fit, form, or function may necessitate resubmission and reapproval to remain on the Authorized Materials List.