

California Department of Transportation

Authorization Criteria:
Changeable Message Signs



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.



Model 700 Changeable Message Signs (CMS)

General:

The following procedures are required to authorize Model 700 Changeable Message Signs (CMS) suppliers for inclusion in the Authorized Materials List (AML). Model 700

Changeable Message Signs (CMS) is to be defined as: the changeable message sign, 334LS controller cabinet, and CMS Linux controller.

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.

Model 700 Changeable Message Signs (CMS) Authorization Criteria:

All Model 700 Changeable Message Signs (CMS) 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, the manufacturer shall verify units meet all specifications as listed in TEES 2009 including Errata 1, Errata 2, Errata 3, and Errata 4, as well as the Advanced Variable Message Sign Specification AVMS-Spec-015.

Authorization of this material requires the following:

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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.
 - 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 the manufacturer will be responsible for retrieval or disposal of the sample.
 - 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.

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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:

Jim Rhodes at james.rhodes@dot.ca.gov

Minh Tran at minh.v.tran@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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

Model 710 Changeable Message Signs (CMS)

General:

The following procedures are required to authorize Model 710 Changeable Message Signs (CMS) suppliers for inclusion in the Authorized Materials List (AML). Model 710 Changeable Message Signs (CMS) is to be defined as: the changeable message sign, 334LS controller cabinet, and CMS Linux controller.

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.

Model 710 Changeable Message Signs (CMS) Authorization Criteria:

All Model 710 Changeable Message Signs (CMS) 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, the manufacturer shall verify units meet all specifications as listed in TEES 2009 including Errata 1, Errata 2, Errata 3, and Errata 4, as well as the Advanced Variable Message Sign Specification AVMS-Spec-015.

Authorization of this material requires the following:

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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.
 - 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 the manufacturer will be responsible for retrieval or disposal of the sample.
 - 1.7. Ship the required reports and sample to the Caltrans' Transportation Laboratory in Sacramento:

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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.

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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:

Jim Rhodes at james.rhodes@dot.ca.gov

Minh Tran at minh.v.tran@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.



Model 720 Changeable Message Signs (CMS)

General:

The following procedures are required to authorize Model 720 Changeable Message Signs (CMS) suppliers for inclusion in the Authorized Materials List (AML). Model 720 Changeable Message Signs (CMS) is to be defined as: the changeable message sign, 334LS controller cabinet, and CMS Linux controller.

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.

Model 720 Changeable Message Signs (CMS) Authorization Criteria:

All Model 720 Changeable Message Signs (CMS) 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, the manufacturer shall verify units meet all specifications as listed in TEES 2009 including Errata 1, Errata 2, Errata 3, and Errata 4, as well as the Advanced Variable Message Sign Specification AVMS-Spec-015.

Authorization of this material requires the following:

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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.
 - 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 the manufacturer will be responsible for retrieval or disposal of the sample.
 - 1.7. Ship the required reports and sample to the Caltrans' Transportation Laboratory in Sacramento:

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Materials Engineering and Testing Services
MS #5: Electrical Testing Branch
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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.

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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:

Jim Rhodes at james.rhodes@dot.ca.gov

Minh Tran at minh.v.tran@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.



Model 700C Changeable Message Signs (CMS)

General:

The following procedures are required to authorize Model 700C Changeable Message Signs (CMS) suppliers for inclusion in the Authorized Materials List (AML). Model 700C Changeable Message Signs (CMS) is to be defined as: the changeable message sign, 334LS controller cabinet, and CMS Linux controller.

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.

Model 700C Changeable Message Signs (CMS) Authorization

Criteria:

All Model 700C Changeable Message Signs (CMS) 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, the manufacturer shall verify units meet all specifications as listed in TEES 2009 including Errata 1, Errata 2, Errata 3, and Errata 4, as well as the Advanced Variable Message Sign Specification AVMS-Spec-015.

Authorization of this material requires the following:

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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.
 - 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 the manufacturer will be responsible for retrieval or disposal of the sample.
 - 1.7. Ship the required reports and sample to the Caltrans' Transportation Laboratory in Sacramento:

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 - 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.

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California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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:

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Model 710C Changeable Message Signs (CMS)

General:

The following procedures are required to authorize Model 710C Changeable Message Signs (CMS) suppliers for inclusion in the Authorized Materials List (AML). Model 710C Changeable Message Signs (CMS) is to be defined as: the changeable message sign, 334LS controller cabinet, and CMS Linux controller.

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.

Model 710C Changeable Message Signs (CMS) Authorization

Criteria:

All Model 710C Changeable Message Signs (CMS) 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, the manufacturer shall verify units meet all specifications as listed in TEES 2009 including Errata 1, Errata 2, Errata 3, and Errata 4, as well as the Advanced Variable Message Sign Specification AVMS-Spec-015. Authorization of this material requires the following:

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California Department of Transportation

Authorization Criteria: Changeable Message Signs

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.
 - 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 the manufacturer will be responsible for retrieval or disposal of the sample.
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 - 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.

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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:

Jim Rhodes at james.rhodes@dot.ca.gov

Minh Tran at minh.v.tran@dot.ca.gov

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Model 720C Changeable Message Signs (CMS)

General:

The following procedures are required to authorize Model 720C Changeable Message Signs (CMS) suppliers for inclusion in the Authorized Materials List (AML). Model 720C Changeable Message Signs (CMS) is to be defined as: the changeable message sign, 334LS controller cabinet, and CMS Linux controller.

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.

Model 720C Changeable Message Signs (CMS) Authorization

Criteria:

All Model 720C Changeable Message Signs (CMS) 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, the manufacturer shall verify units meet all specifications as listed in TEES 2009 including Errata 1, Errata 2, Errata 3, and Errata 4, as well as the Advanced Variable Message Sign Specification AVMS-Spec-015. Authorization of this material requires the following:

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California Department of Transportation

Authorization Criteria: Changeable Message Signs

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.
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 - 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.

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.



California Department of Transportation

Authorization Criteria:

Changeable Message Signs

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:

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