

Material Certification Review

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NCDOT Materials & Tests Unit

What Is A Material Certification?

- Process by which NCDOT certifies to FHWA that:
 - All materials and workmanship on each Federal-Aid project are in compliance with specifications.
 - Covers Sampling and Testing (MSG)
 - Independent Assurance
 - QC/QA Programs
 - Certified Laboratories, Sampling and Testing Technicians

Project Certification Roles

- Project personnel is responsible for sampling and inspection of project produced materials.
- Project personnel is also responsible for verifying that pre-certified/pretested material have the proper documentation and approval (stamp or alt. ID).

Project Certification Roles

- M&T is responsible for pretested materials (precast and pre-stress)
- Independent Assurance
- Area Materials personnel (SMS and AME) for project specific materials audits/reviews to insure compliance with MSG and Specifications.

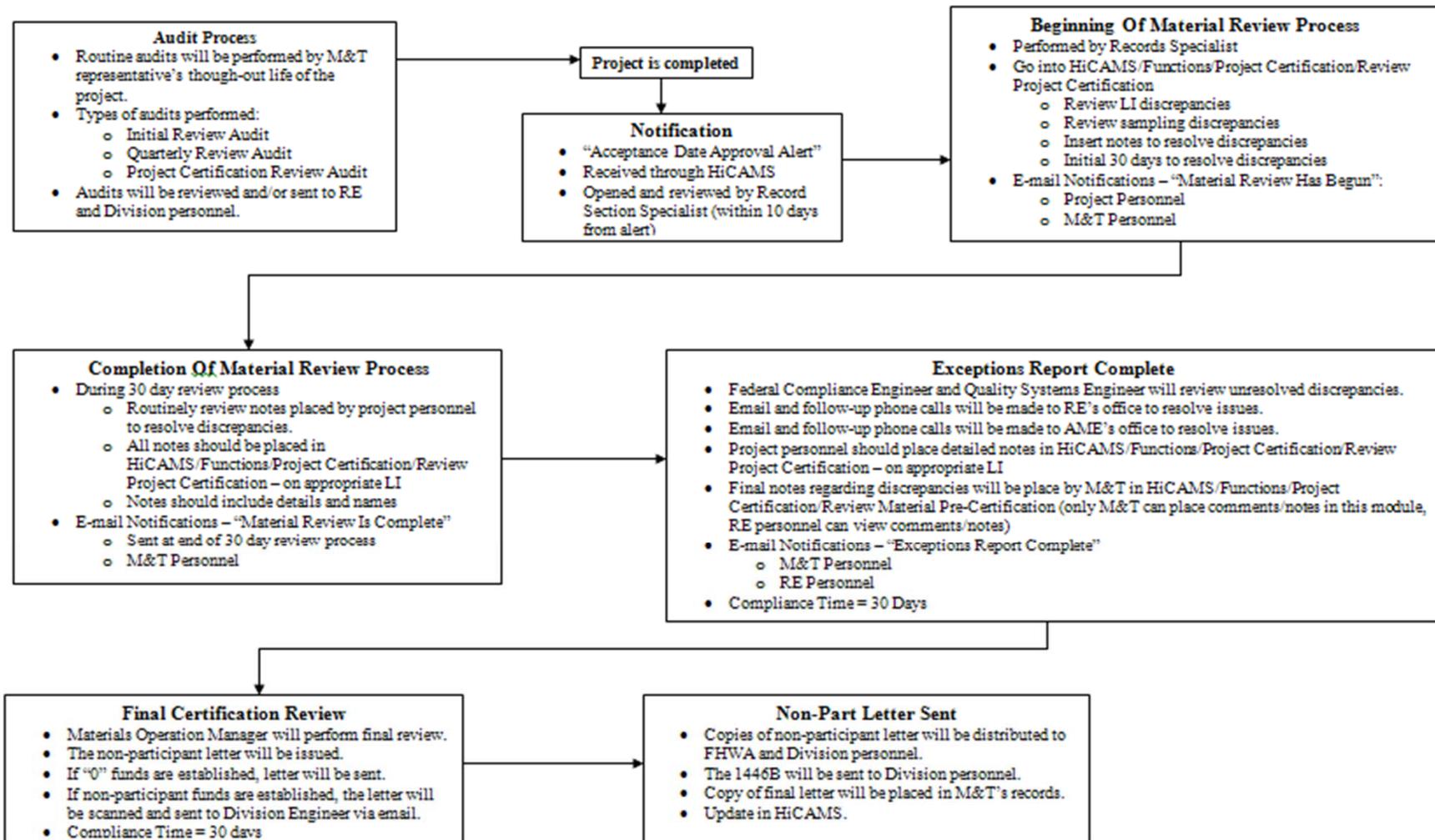
Project Certification Roles

- M&T Quality Systems Section and other M&T central staff conduct materials certifications reviews on every project (FHWA and State funded)
 - Notes exceptions and shortages to the Quality Acceptance Program
 - Prepares Non-Participation letter for State Materials Engineer

Project Certification Process – Flow Chart

Project Certification Process

Webinar 7 (Sept. 20, 2012)



Determining Non-Participating Amounts

- Workmanship vs. Material Quality
- Initial Line Item Cost
- Potential Value to the Department
- Future Replacement Value
- Service Life
- Future Inflation %

Non-Participation Letter

- If you receive a non-part letter
 - This indicates discrepancies were not resolved and a dollar value was established;
 - The required number of samples were not obtained for that material.
 - The required documentation (cert type) was not obtained.
 - The material was not approved or supplied from an “Approved Source”
 - No MRR
 - No/incorrect alternate ID

Non-Participation Letter cont.

- Materials were not removed from the CBOM
- Temporary items
- M&T did not receive the Asphalt Roadway Inspection Reports (Form 605)
- No/insufficient embankment and/or subgrade density tests
- ABC issues
- Conversion factors
- Best thing to do is check the notes/emails placed in HiCAMS by M&T

What do I do when I get a non-part letter?

- Review discrepancies/notes in HiCAMS, and collect the noted documentation.
- If insufficient sampling/testing is the discrepancy – not much we can do.
- If discrepancies can be resolved, M&T will have to enter a comment into the “Material Pre-Certification” module.
- Contact M&T
 - Randy Pace (919-329-4220)
 - Sam Frederick (919-814-2220)

Who can help me when I have issues?

- Area materials Engineers:
 - Divisions 1, 2, 3, & 6
 - Henry Traywick 910-916-9230
 - Divisions 4, 5, & 7
 - Darrell Lumley 919-329-4201
 - Divisions 8, 9, & 10
 - Pam Carriker 704-798-4332
 - Divisions 11, 12, 13, & 14
 - Ken Hamby 336-984-0420

Who can help me when I have issues?

- Blue Ridge Office (Raleigh)
 - Randy Pace 919-329-4220
 - Francine Ward 919-329-4290
- Penmarc Office (Raleigh)
 - Phil Stanberry 919-814-2220
 - Sam Frederick 919-814-2220

General Items

- Buy America Letter – you should be receiving a “Buy America” letter for each project.
- Temporary Items – treat the same as permanent items (need documentation)
- FIRS – M&T is responsible for performing, please contact us.
- Alternate ID’s on material should be validated on site before accepted.

General Items

- MSG – Materials are classified as:
 - Critical
 - Non-critical
- Conversion factors – seek help from AME's and Francine Ward
- Substitutable Items
- Lump Sum Items
- Material Receipts – enter in a timely manner and don't forget to check the "Documents Received Box"

HiCAMS - [hicamsprod]

File Edit Functions Inquiries References Admin Tools Window Help

Review Contract Details (DE00033)

Contract: **DE00033** Contractor: FSC II LLC DBA FRED SMITH COMPANY Status: Accepted

Description (nickname): BD-5105N

General Routes/Countries Staff Goals Dates Financials Status Completion Project Closeout **M&T Status** History

Project Certification

Last Reviewed By M&T: 02/19/2013 By: M&T Group:

Pending Destroy Date:

Actual Destroy Date:

Workflow Status	File Location	Status Date	Last Updated By	Last Updated Date
Quarterly Review	Area Materials Engineer's	10/25/2012	jasmith	12/27/2012 11:10:00 am
Material Review In Process	Penmarc	02/19/2013	mlloyd	02/19/2013 01:01:00 pm
Material Review Complete	Penmarc	03/05/2013	mlloyd	03/05/2013 09:16:00 am
Non-Part Letter Sent	M&T Records Section	04/12/2013	gmeacham	08/07/2014 07:11:00 am
Exceptions Report Complete	Penmarc	04/08/2013	pstanberry	04/08/2013 10:21:00 am
Voucher Issued	M&T Records Section	10/31/2014	gmeacham	11/05/2014 11:39:00 am

Activate Indicators Warranties

Ready

8:42 AM 11/20/2014

HiCAMS – Function – Contract Maintenance – Review Contract Details



QUESTIONS?