

Application Modifications and Enhancements

HiCAMS Version 5.0 & DOH Vendor Version 2.7 were released Saturday, 6/30/2001.

HiCAMS Version 5.0

HiCAMS - General

- [SQA 12942] New logic has been added into the estimate process to handle the new indicator called "Adjust Total AC %" at the contract level that determines whether the AC adjustments should be on the Total or Virgin percent. The new indicator has been added to the Authorize window and the Contract Details window and can only be updated by those who have update access to the 'Reset Line Item Settings' security tag. All contracts let before January 15, 2001 should be marked as 'N' indicating that only the Virgin percent should be adjusted. For those contracts we will now be automatically calculating the 'Other' percent and applying it to the AC line item as an 'Original AC Price' entry. Pay records will no longer need to be entered for the RAP AC contribution on these contracts. All contracts let after January 15, 2001 and any new contracts should have the indicator defaulted to 'Y' indicating the adjustment will be on the total percent. If a contract pays the adjustment only on the Virgin AC percent, the checkbox can be unchecked during the Authorization process.
- [SQA 12688] The "PilotTrain" database is now called "Train". Login procedures have not changed.

CONTRACT SETUP – Authorize Contracts

- [SQA 12942] New logic has been added into the estimate process to handle the new indicator called "Adjust Total AC %" at the contract level that determines whether the AC adjustments should be on the Total or Virgin percent. The new indicator has been added to the Authorize window and the Contract Details window and can only be updated by those who have update access to the 'Reset Line Item Settings' security tag. All contracts let before January 15, 2001 should be marked as 'N' indicating that only the Virgin percent should be adjusted. For those contracts we will now be automatically calculating the 'Other' percent and applying it to the AC line item as an 'Original AC Price' entry. Pay records will no longer need to be entered for the RAP AC contribution on these contracts. All contracts let after January 15, 2001 and any new contracts should have the indicator defaulted to 'Y' indicating the adjustment will be on the total percent. If a contract pays the adjustment only on the Virgin AC percent, the checkbox can be unchecked during the Authorization process.

CONTRACT MAINTENANCE – Review Contract BOM

- Many updates have been made to the Materials list in HiCAMS, including the Asphalt Bases and Pavements category. Because the JMF module will only return the specific material assigned to it (Asphalt Concrete Surface Course, Type S 12.5D) it is important to update the Contract Bill of Materials with the appropriate AC products in order to be able to enter Tickets.
- The Field Density Materials must be added to the Contract Bill of Materials before Density results can be entered. The Field Density Materials are:
 - Field Density - Aggregate Base Course
 - Field Density - Embankment
 - Field Density - Subgrade

CONTRACT ADJUSTMENTS - Review Supplemental Agreements

- [SQA 12842] Line items on C200 series contracts with ***** in the description can now be manipulated in Supplemental Agreements.
- [SQA 13163] Supplemental Agreement Document printing problems have been resolved.

CONTRACT TRACKING - Review Material Receipts

- [SQA 12439] Material Received Reports for metric Concrete materials can now access English Concrete Mix Designs without having to create a Sample first.
- [SQA 12734] If the MSG requires an Approved P/S and it is not entered, the user will receive an error stating "An Approved Producer/Supplier name must be entered based on the MSG Approved Plant Type for this Material. " If an Approved P/S is not required based on the MSG, an entry must be made in the Other P/S field. If no entry is made, the user will receive a message stating, "Please enter Other Producer/Supplier information. "
- [SQA 12651] The rules for matching Alternate IDs have been modified. If Pretest in the MSG is set to "Required" and Alt ID Matching is set to "Match Alt ID / Match from Sample" then:
 - The Alt ID on the MRR must match the Alt ID on a sample or Precast FIR
 - The matching sample does not have to have a contract number, however; If the sample does have a contract number, it must match the contract number on the MRR
 - The MRR does not have to have a Producer/Supplier. However, if the MRR does have a Producer/Supplier, it must match the Producer/Supplier on the Sample or FIR.
- [SQA 12649] Sample Linking has been removed.
- [SQA 12693] If a Producer /Supplier has been selected from the Approved list and is not required for the Material by the MSG, clicking on the name in the Approved Producer/Supplier field and hitting Delete removes it.

CONTRACT TRACKING - Review Pay Records

- [SQA 12616] With the addition of the drop down window for Source Type, the Pay Record Book Number field accepts only a number.
- [SQA 12640] Removed the Sample Tab from the Pay Record and Pay Record Adjustment windows. This should improve the performance of this window.
- [Final Estimates Business Rules] Users can update the following source document information in the Pay Record Detail window: Source Document Type, Book Number, and Page Number. [SQA 12808] The exception is any Pay Record created as part of the original V4 conversion which had a PRB number of CONV9999. For V5, these books have a PRB number of 9999 and can only be modified using the existing Adjust process.
- Existing Pay Records have been converted. The text of the original entry is in the Comment field. The Source Document has been defaulted to Pay Record Book. The exceptions are:
 - The Source Document became Monthly Estimate Book when the words MEB, M. EST, M.E., MEWBWK, MO EST, or ME were in the Book Number field.
 - The Source Document became Letter when the word LETTER was in the Book Number field.
 - The Source Document became Note Book when the words NB or NOTEBOOK were in the Book Number field.
 - The Source Document became Comp Sheet, Permanent when the words COMP or CSP were in the Book Number field.
 - The Source Document became Cross Sections, Permanent when the words CROSS or X were in the Book Number field.
 - The Source Document became Ticket Books (Pay Record) when the words TB, TICK, TK, T.BOOK, or T.B. were in the Book Number field.
- The Source Document became Pay Record with a Book Number of 0 when there was no logical mapping possible. *These Pay Records should be reviewed and the Source document corrected.* This affects approximately 1% of the 55,000 converted Pay Records.

CONTRACT TRACKING - Review Tickets

- [SQA 12869] The JMF is required if a material type with a Facility Type of Asphalt Plant is selected. The user can enter the JMF directly into the JMF field or click on the JMF icon (the binoculars) which opens the JMF selection window. The filters on the JMF window will be automatically set to a JMF status of Approved/Provisionally Approved, a date less than or equal to the date of the Ticket, and the Material Description selected for the Ticket Book. These filters cannot be changed without changing one of the fields on the Ticket window itself.
- [SQA 12869] Renamed the label AC % to Virgin AC %. Added RAP AC %, Other AC %, and Total AC % fields to the window. These fields will always be protected as the information is inferred from the JMF.

- [SQA 12869] The Producer/Supplier will be returned from the JMF validation function. It will always be protected.
- [SQA 12922] The Sample Tab has been removed from the Ticket Detail and Ticket Adjustment windows. This should improve the performance of this window.
- [SQA 12109] Duplicate Ticket Book numbers are now allowed. The user will receive a warning if the entry is made on the Ticket window, but not on the Adjust Ticket Book window. There is also a duplicate check for JMF number. If the JMF on a Ticket Book needs to be changed, the original ticket book should be backed out and a new one entered. The book number on either the new or the old Ticket Book must be changed to allow it to be Saved.
- [Final Estimates Business Rules] Users can update the following source document information in the Review Ticket Detail window: Ticket Book Number
- [SQA 12734] If the MSG requires an Approved P/S and it is not entered, the user will receive an error stating "An Approved Producer/Supplier name must be entered based on the MSG Approved Plant Type for this Material. " If an Approved P/S is not required based on the MSG, an entry must be made in the Other P/S field. If no entry is made, the user will receive a message stating, "Please enter Other Producer/Supplier information. "
- [SQA 12649] Sample Linking has been removed.
- [SQA 12693] If a Producer /Supplier has been selected from the Approved list and is not required for the Material by the MSG, clicking on the name in the Approved Producer/Supplier field and hitting Delete removes it.

CONTRACT TRACKING - Review Material Prepayments

- [SQA 12302] The material prepayment portion of the estimate generation process has been rewritten so that any adjustments to the recommended reductions that are made are not lost when the estimate is regenerated. *NOTE: If changes are made to the Tickets or Pay Records that might have an effect on the material prepayment balance, the estimated reduction field is updated but the actual reduction field will remain what it was prior to regenerating the estimate.*

CONTRACT TRACKING - Review Pay Adjustments

- Pay Adjustment Recommendations (PARs) replace Pay Factors on the menu. Pay Factors still exist, but only inside of PARs. Existing Pay Factors have been converted to PARs. The Final Estimate cannot be processed if there are open PARs for the contract.

CONTRACT ESTIMATES - General

- The Estimates process in HiCAMS has been enhanced to include the creation and approval of Final Estimates, and the verification of final quantities.

CONTRACT ESTIMATES - Generate Estimate

- [SQA 12646] Users should notice a decrease in the time needed to process an estimate. Changes were made to how AC and Fuel adjustments are calculated, and the order in which Tickets get updated and added to an estimate was modified.

CONTRACT ESTIMATES - Verify Final Quantities

- [SQA 12655] The Verify Final Quantities window allows the RE office to enter final quantities and JMF (if required) for each group of transactions (e.g. Ticket Book Number or Pay Record Book page number) at the line item level. The system edits user entered quantities against quantities recorded in HiCAMS, prompting correction if discrepancies are found.

DENSITY - General

- The Field Density Materials must be added to the Contract Bill of Materials before Density results can be entered. The Field Density Materials are:
 - Field Density - Aggregate Base Course
 - Field Density - Embankment
 - Field Density - Subgrade

DENSITY - Review Density Other Conventional

- The Review Density Other Conventional window will allow RE office staff to enter individual test sections. Users will be able to retrieve specific test results based on the Contract and Material, as well as the Date Placed. The Total Test Results report lists a total count of tests determined by material to ensure adequate testing has been done.

DENSITY - Review Density Other Nuclear

- The Review Density Other Nuclear window will allow RE office staff to enter test section averages. Users will be able to retrieve specific test results based on the Contract and Material, as well as the Date Placed. The Total Test Results report lists a total count of tests determined by material to ensure adequate testing has been done.

FIELD INSPECTION REPORTS - General

- The Field Inspection Report module allows entry and handling of field test data into the HiCAMS application. For applicable materials, the module allows updating of accepted quantities and printing of reports.
- The Review Field Inspection Reports window will allow authorized users to create new Field Inspection Reports of any type, as well as review existing reports. These report types include, Concrete Pipe, Metal Pipe, Guardrail, Precast Concrete, Stay-In-Place Metal Frames, and Structural Steel.

FIELD INSPECTION REPORTS - Review Concrete Pavement

- The Review Concrete Pavement window within the Field Inspection Report module pertains specifically to the testing performed in the construction of non-reinforced Portland cement concrete pavement.

FIELD INSPECTION REPORTS - Review Notice of Rejection

- The Review Notice of Rejection window will allow the user to create and review Notice of Rejection Reports used to inform Producers when materials fail to meet the state's minimum standards of quality. A Notice of Rejection can be automatically generated by the system when a rejected quantity of material is entered.

INDEPENDENT ASSURANCE - General

- The Independent Assurance (IA) module of HiCAMS provides automation for much of the comparative testing process, and allows the IA Section staff to perform daily verification tasks via the HiCAMS application on their desktop computers.

INDEPENDENT ASSURANCE - Review IA Correlations

- The "Review IA Correlations" window will allow any HiCAMS user to search for and view any existing IA Correlation record(s), and will allow IA personnel to create new IA Correlation record(s).

INDEPENDENT ASSURANCE - View IA Records Pending Correlation

- The "View IA Records Pending Correlation" window provides IA Inspectors with a way to track IA-Comparative samples that have not been linked with a matching Acceptance or QA sample. This window also provides a research tool for determining why a comparative sample has not been linked.

INDEPENDENT ASSURANCE - View IA Records Pending Verification

- The "View IA Records Pending Verification" window provides IA Inspectors and Concrete Technicians with a queue of correlation records that are pending their review and verification. This window works in much the same manner as the "Receive Samples" window in the Sample Details module.

INDEPENDENT ASSURANCE - View IA Records Pending Completion

- The "View IA Records Pending Completion" window provides the IA Section Supervisor with a queue of correlation records that are pending his review and completion. This window works in much the same manner as the "Authorize samples" window in the Sample Details module.

QA/QC - Review Aggregate Failure

- The QAQC module of HiCAMS provides a facility to capture and monitor QC test results from producers and correlate these results with the state's QA test results. For version 5 of HiCAMS, only the aggregates QAQC program will be implemented. Other programs will be implemented in the future.

SAMPLING - General

- [SQA 12650] The Sample Statuses of "Immaterial Variation" and "Approved for Use" have been expired. They have been replaced by:
 - Accepted - Does Not Meet Specs
 - Rejected - Does Not Meet Specs
 - Pay Adjustment - Does Not Meet Specs
- [SQA 12650] Any samples authorized with one of the "Does Not Meet Specs" statuses will require disposition information to be set by the RE or ARE. Disposition information consists of three disposition quantities, and a disposition comment. Disposition quantities are:
 - "Accepted Qty:" – how much of the represented quantity was accepted in spite of the failing test results
 - "Pay Adjusted Qty:" – how much of the represented quantity was accepted with a Pay Adjustment Recommendation
 - "Removed Qty:" - how much of the represented quantity was rejected and removed from the project.
- [SQA 12650] The sum total of all disposition quantities must equal the represented quantity for the sample.
- [SQA 12650] The Pay Adjustment Recommendation (PAR) windows will be accessible from Sample Details by clicking the PAR button.
- [SQA 12650] Any sample authorized with one of the "Does Not Meet Specs" statuses and saved with an accepted quantity greater than zero (0) will require a disposition comment to be entered by the RE or ARE.
- [SQA 12650] If applicable, a "Checked By Sample" field is available to link an original sample to its check sample using the check sample ID.

SAMPLING - Enter Sample Details

- [SQA 12612] Updated the Sample details window to ensure that the Sample material exists on the Contract Bill of Materials when a Contract number is entered. If the material is not available for a Sample, it will need to be inserted on the Review Contract BOM window. This is similar to the way that Review Tickets currently functions.
- [SQA 12613] A new "Line Items" tab has been added to the sample details window. All samples created with a contract number specified on the "General" tab will require line item information to be entered on the "Line Items" tab.
- [SQA 12613] When adding a line item to a sample, only line items containing the material selected for the sample will be available for selection.
- [SQA 12640] On a Save As, the Sampled By field is no longer cleared. The user will be prompted for comments on each Sample if the 'Sampled By' person is non-certified for that material.
- [SQA 12870] The JMF is required if a material type with a Facility Type of Asphalt Plant is selected. The user can enter the JMF directly into the JMF field or click on the JMF icon (the binoculars) which opens the JMF selection window. The filters on the JMF window will be automatically set to a JMF status of Approved/Provisionally Approved, a date less than or equal to the date of the

ticket, and the Material Description selected for the Ticket Book. These fields cannot be changed without changing one of the fields on the Ticket window itself.

- [SQA 12703] On the Cont/Location tab, changed "*" by Other to "+". Added "*" to Location and Station From/Station To fields. On the Tracking tab, added "*" to the Submitted Date and Submitted To fields.
- [SQA 12649] Sample Linking has been removed.

QUERY TOOLS - Sample

- [SQA 12491] Changed the "Alignment" tag name to "Location" and added a notebook icon due to the field potentially containing 60 characters.

REFERENCES - Minimum Sampling Guide

- [SQA 12595] Updated the Acceptance tab to have a new acceptance method of "Field Inspection Reports".

ADMIN - Security

- [SQA 12345] The list of contracts associated with a user is now available if you right click, choose "Staff Properties" and then go to the Staff Properties window to Expire the user. Choosing an expiration date and clicking the OK button causes the list to appear. Previously the list displayed only on the direct selection of "Expire Staff" using the Right Click.

DOH Vendor V2.7

PRODUCER / SUPPLIER – Producer / Suppliers

- [SQA 1517] The Vendor application will no longer allow a Facility to remain active if all of its associated Facility Types are expired.
- [SQA 1517] The Vendor application will no longer allow a Producer/Supplier to remain active if all of its associated Facilities are expired.
- [SQA 1536] Authorized users can now move Facilities from one Producer/Supplier to another with the click of a button. This functionality was provided primarily for "buyout" situations.
- [SQA 1593] "Material Inspector" on the Facilities tab of the Producer/Supplier window is now a required field