**UNITED STATES DEPARTMENT OF AGRICULTURE**
Farm Service Agency
Washington, DC 20250

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<tr><td>**Notice CM-781**</td></tr>
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**For:** State and County Offices

**Migration of Field Level Data to Web Farm/Farm Records Management System (FRS)**

**Approved by:** Deputy Administrator, Farm Programs

*[signature]*

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# 1    Overview

### A   Background

The Web Farm/FRS database will be enhanced to include field level data.  Migration of field level data from CRM Farm Records to Web Farm/FRS database is scheduled to take place the weekend of April 22, 2016, and if not completed will resume the weekend of April 29, 2016.

County Offices can expect to see an increase in replication failures because of incorrect or invalid field level data that exists in the database.  Users should expect an increase in replication failure e-mails immediately following weekend migration activities.  Additionally, because field level validations will be applied once migration begins, users may encounter increased error messages when editing a farm. Upon completing the migration of field level data, a report of the farms with replication failures that occur during migration will be provided.

### B   Purpose

This notice informs State and County Offices of:

* the inclusion of field level data in Web Farm/FRS database beginning, April 22, 2016
* expected increase in replication errors because of incorrect field level data
* automated data remediation that occurred before the field level data migration
* the most common field level data related replication errors and actions for resolution
* instructions for accessing reports of farms:

  * where automated remediation occurred
  * that failed to replicate during field level data migration.

<table>
<tr><td>**Disposal Date**</td><td>**Distribution**</td></tr>
<tr><td>October 1, 2016</td><td>State Offices; State Offices relay to County Offices</td></tr>
</table>

**2        Action**

**A   State Office Action**

State Offices shall:

- ensure that County Offices are notified of the contents of this notice

- ensure that after the "Field Level Migration Replication Failure Report" becomes available, the County Offices complete data remediation by September 1, 2016.

- direct questions by e-mail to the following:

  - **julie.pena@wdc.usda.gov**
  - **steve.stark@wdc.usda.gov**.

**B   County Office Action**

County Offices shall:

- review the reports of farms where automated remediation occurred to verify the remediated data is correct

- resolve the replication errors in the Field Level Migration Replication Failure Report by September 1, 2016.

**3       Field Level Data Migration**

**A   Migration of Field Level Data From CRM Farm Records to Web Farm/FRS**

Field Level Data Migration will occur to provide consistency between CRM Farm Records and Web Farm/FRS.  Applications receive data from the Web Farm/FRS service.  Inclusion of field level data in Web Farm/FRS will facilitate future enhancements to applications that will require field level data.

CRM Farm Records will be available for edits during the weekends of migration, however, edits made to farm records during the weekend will **not** be available to other applications until the following Monday.

**Note:**   Updates to CRM Farm Records that are necessary for use during planned weekend work should be made before close of business on the Friday migration begins to ensure availability of records during the outage.

The initial migration will only update field level information to the Web Farm/FRS database. Field level information will **not** be available for viewing or editing in Web Farm/FRS until **after** rollover to FY 2017, approximately October 1, 2016.  Edits to current year data will continue to be made in CRM Farm Records.

In FY 2017, field level data will be viewable for both 2016 and 2017 in Web Farm/FRS.  After rollover to FY 2017, edits to current year data will continue to be made in CRM Farm Records and edits to prior year field level data will be made in Web Farm/FRS.

**3      Field Level Data Migration (Continued)**

**B   Automated Data Remediation Before Migration**

To reduce the replication failure rate during migration, the following error conditions were remediated before migration.

The reports listed in the table are posted on the Program Delivery Branch intranet web site and may be accessed at **http://fsaintranet.sc.egov.usda.gov/ffas/farmbill/ccc**/.

| Error | Description | Remediation Completed | Report Name |
|---|---|---|---|
| field.helCode.mustBe G (Rule 2009) | All fields on the tract had HEL status of NHEL and/or EHEL.  By rule the tract level HEL determination must be 'NHEL: No ag commodity planted on undetermined fields'. | HEL determinations for these tracts were updated to NHEL:  No ag commodity planted on undetermined fields. | Corrected Tract Level HEL Determinations |
| field.helCode.mustBe AOrG (Rule 2011) | The tract did not contain any fields with HEL status of HEL, but the tract level HEL determination indicated there was an HEL field on the tract. | HEL determinations for these tracts were updated to HEL determinations not completed for all fields on the tract.**1**/ | Corrected Tract Level HEL Determinations |
| field.conservationPra cticeIdentifier.invalid (Rule 115) | A non-standard typed practice description existed for one or more fields on the tract. | Practice descriptions were updated with standard descriptions when possible.**2**/ | Non-standard CRP Practice Descriptions |
| nongeneric.crop.paym entYield.extraneous | CCC-505 CRP reduction entry with start date of 2014 or later contained a PLC yield for generic base acres | The PLC yield was removed from the CCC-505 CRP reduction entry. | PLC Yield Removed from CCC-505 CRP Reduction Acres |
| generic.crop.payment Yield.extraneous | CCC-505 CRP reduction entry with start date of 2014 or later contained a CTAP transitional yield for non-generic base acres | The CTAP Transitional yield was removed from the CCC-505 CRP reduction entry. | CTAP Transitional Yield Removed from CCC-505 CRP Reduction Acres |

**1**/   Tracts with no HEL fields, but the existing HEL determination is "HEL field on tract.  Conservation system is not being actively applied", were not updated and will be in the list of farms failing replication.

**2**/   Non-standard practice descriptions that could not be translated to a standard description must be manually remediated and are hi-lighted yellow in the report.  Standard descriptions are available for selection in the drop-down menu for practice number in the CRP Data assignment block in CRM Farm Records.  Users should review and verify that the auto-remediated practice descriptions were translated correctly.

**3** **Field Level Data Migration (Continued)**

**C   User Data Remediation After Migration**

There will be a report, **Field Level Migration Replication Failure Report**, of farms failing replication during field level data migration posted after migration is complete at **http://fsaintranet.sc.egov.usda.gov/ffas/farmbill/ccc/**.

The following error messages are the most common replication error messages related to field level data.  Remediate the farms listed in the report according to the guidance in the table.

**Note:**   Replication error messages are located in the "FPMS Status" Assignment Block within a Farm Record in CRM Farm Records.

| Error | Description | User Remediation |
|---|---|---|
| Error.farmrecords.field.hel Code.mustBeAToE | Tract contains a mixture of HEL statuses that includes both UHEL and HEL.  The existing tract level HEL determination is NHEL: No agricultural commodity planted on undetermined fields. | If the tract level HEL determination is correct, the field level status must be updated to change all HEL fields to 1 of the following, as appropriate:  NHEL, EHEL or UHEL.<br><br>Users should:<br><br>• 1$^{st}$ – temporarily change the tract level HEL determination to HEL determinations not completed for all fields on the tract<br><br>• 2$^{nd}$ – correct the HEL status on the fields using the GIS Edit Attributes tool<br><br>• 3$^{rd}$ – return the tract level HEL determination to NHEL: No agricultural commodity planted on undetermined fields.<br><br>If the tract level HEL determination is incorrect, users should enter the correct determination.<br><br>If the existing tract level HEL determination is incorrect, select the correct HEL determination from the tract level HEL determination drop-down menu. |

**3     Field Level Data Migration (Continued)**

**C   User Data Remediation After Migration (Continued)**

| Error | Description | User Remediation |
|---|---|---|
| Error.farmrecords.field.helCode.mustBeBToE | All fields on the tract have HEL status of HEL, but the existing tract level HEL determination is HEL determinations not completed for all fields on the tract or NHEL: No agricultural commodity planted on undetermined fields. | If the tract level HEL determination is correct, the field level statuses must be updated to properly represent UHEL and/or NHEL or EHEL, as appropriate.<br><br>Users should:<br><br>• 1st – Temporarily change the tract level determination to HEL field on tract. Conservation system being actively applied.<br><br>• 2nd - correct the HEL status on the fields using the GIS Attributes tool<br><br>• 3rd – return the tract level HEL determination to the correct determination.<br><br>If the existing tract level HEL determination is incorrect, select the correct HEL determination from the tract level HEL determination drop-down menu. |
| Error.farmrecords.field.crpContractDataMismatch | If CRP attributes exist on a field, all 3 attributes (contract number, practice number, and expiration date) must be present. | Enter any missing CRP attributes for the field or delete all attributes as appropriate. |
| Error.farmrecords.field.identicalCrpContractNumbersOnTheSameTractM | The CRP expiration date must be the same on all fields on the same tract with an identical contract number and suffix. | Enter the same correct expiration date for all fields having the same CRP contract number and suffix on the tract. |

**3    Field Level Data Migration (Continued)**

**C   User Data Remediation After Migration (Continued)**

| Error | Description | User Remediation |
|-------|-------------|------------------|
| Error.farmrecords.field.duplicateFieldNumber | Duplicate field numbers exist in the CRM hierarchy. | If duplicate field numbers also exist in GIS, contact the GIS DRT administrator in the appropriate State to renumber duplicate fields in GIS.  The GIS DRT administrator must then submit a request for a full extract.<br><br>If duplicate field numbers exist only in CRM, select "Edit" and then "Save".  Should this not resolve the issue, contact the GIS DRT administrator to submit a request for a full extract. |
| Error.farmrecords.field.otherProducerTractFieldMismatch | Other Producer (OT) cannot exist at both the tract level and the field level. | Remove the Business Partner record from either the tract or field level, as appropriate. |
| Error.field.cluAlternateIdentifier.invalid | The GIS unique identifier for the CLU is missing in CRM. | The farms receiving this error message have been flagged for a Full Extract.  Users should initiate an edit session on the farm and then click 'Save'.  There is no need to actually edit any data.  If a replication error message continues to be received, refer to the error messages in this table and also in the Error Message Resolution document.  The link is below this table. |
| Error.field.landClassificationIdentifier.invalid | Land classification code in GIS does not match one of the 10 available codes. | In the GIS Info Assignment Block use the Edit Attributes Tool to select the correct code from the drop-down menu. |

Other non-field level related replication failures will occur during the field level data migration and will need to be remediated.  See the Error Message Resolution document for remediation action for non-field level data related replication errors.

The Error Message Resolution Document, may be accessed from the Common Provision Branch web site at **http://fsaintranet.sc.egov.usda.gov/ffas/farmbill/ccc/**.  Under "Farm Records", CLICK "**Error Message Resolution**".

**Note:**    To find a specific error message in the report, users should use the search function (CLICK and hold "**Ctrl**" and CLICK "**F**") and then copy and paste the error message into the "Search" field.