



Grade Crossing Inventory System (GCIS)

Release v2.10.2 (07/09/2020)

Release Notes

GCIS Release Notes **GCIS v2.10.2 (07/09/2020)**

This document is intended for Railroad and State GCIS application users. The following items are for GCIS 2.10.2 release on July 9, 2020.

1. Web Form, API Data Submissions, and FRA Approved Excel Templates File Data Upload

- a. A fix was made in GCIS related to not capturing weekly train entry counts submitted via Excel bulk upload, when "Less than one movement Per Day" is left blank, where a zero (0) is being submitted for each of the Part II.1A-1D "Daily Train Movements" items.
- b. For API POST and FRA Excel Templates upload submissions, Part II.1E "Check if Less Than One Movement Per Day (Lt1Mov) value is not required anymore, as GCIS will automatically assign a value, upon publishing a record. If selecting "Check if Less than One Movement Per Day", in the Excel file, or including Lt1Mov value in the API POST, GCIS will check the value, and if not correct, GCIS will attempt to correct LT1Mov based on the values in the "Daily Train Movements" fields and also look at "How many trains per week".
- c. For xlsx upload submissions, a fix was made related to processing of Part IV.7 Smallest Crossing Angle, for cases where "Smallest Crossing Angle" cell in the Excel file either had blank cell in the spreadsheet, or had a value for 60°-90° selected from the Excel spreadsheet's "Smallest Crossing Angle" drop down.
- d. GCIS was fixed, when adding a "New Crossing" in the web form, to display County drop down list with the County names.

2. Data Validation

- a. For Part II.1 Estimated Number of Daily Train Movements, validation checking, Error 047 has been re-worded to read: "Field II.1.E: If the sum of daily train counts (II.1.A + II.1.B + II.1.C + II.1.D) is 0, then count of trains per week should be 1-999. If sum of daily train counts > 0, then count of trains per week should be blank." Error 047 is now being used for validation Part II.1, where Error 049 was previously used. Error 047 does not apply to "No Train Traffic".
- b. A validation error for field IV.5, Crossing Surface Installation Date, was found to be missing in the error table used by GCIS, and was added back in:



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Error Code 106: "Field IV.5: Crossing Surface installation date must be entered in correct format (MM/YYYY)"

- c. GCIS has been fixed so that for updates to existing public at-grade crossings, validations for Parts III-V have been disabled.
- d. For the case of Part I.1 Primary Operating Railroad having a Company Code instead of a valid Railroad Code, the related validation Error 005 reads:

Field I.1: A valid Primary Operating Railroad Code must be selected

- e. The validation errors that GCIS generates for cross field checking of II.4, Main Tracks, versus Part IV.5 Crossing Surface (on Main Track multiple types allowed), has been changed. Now Error 141 is no longer used, as it was a duplicate of error 059. Error 059 is:

Field II.4: The number of Main Tracks entered in field II.4-Main must be greater than or equal to the total number of crossing surfaces selected for Field IV.5: Crossing Surface.

For GCIS 2.10.2, this applies to New Crossings.

- f. GCIS has been updated for the cross-field validations for Part II.4 Main Tracks compared to Part IV.5 Crossing Surface (on Main Track multiple types allowed). This crossing field validation is for web form, xlxs upload, and API POSTs for New Crossings.

The validation rules are as follows:

“If multiple types of Crossing Surfaces (XSURFACEIDS) are selected, then Main Track (MAINTRK) must be greater than or equal to the number of types of crossing surfaces ids”

- g. GCIS validation was worked on, regarding Error 108 related to Field IV.5 Crossing Surface, Other (specify). Error 108 wording is:

Field IV.5: Please specify the Type of Other Crossing Surface

3. Other GCIS Functionality/Other Changes

- a. A fix was made in GCIS regarding the error that had appeared: "Invalid attempt to call HasRows when reader is closed".



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- b. The automated email that sends out GCIS Update notifications, has been updated to come from: GCISAdmin@dot.gov.
- c. A bug was fixed in which GCIS did not Accept “None”, from the Excel Upload Files, for the following items: Part I.9 Railroad Division or Region (RrDiv); Part I.10 Railroad Subdivision or District (RrSubDiv); and Part I.11, Branch or Line Name (Branch). In addition, a similar bug was fixed for these fields submitted via API POSTS. With this fix, if ‘none’ (using either upper or lower case) is submitted for any of these three fields, GCIS will save, in the backend data, for any of the fields to be updated with “None”, the following value will be saved: #N/A
- d. Per previous GCIS release, it had been noted that “With GCIS 2.10.1, pending records that are older than 7/1/2019, may become cancelled”. Note that these Pending Records were cancelled on 5/7/2020.
- e. The OMB Approval expiration date in GCIS generated .pdf Inventory forms, was updated to show: "OMB Approval expires 11/30/2022"
- f. GCIS was fixed, for API POST, that returned the error: “Index was outside the bounds of the array.”

4. Issues related to this Release, that may still need to be fixed:

- a. There may be cases where a message is not provided when Railroad is attempting to update a crossing, where a pending record that had been created by a State exists. If this is found to be the case, this may be investigated further.
- b. As noted in 2.f above, for New Crossings, GCIS has been updated for the cross-field validations for Part II.4 Main Track compared to Part IV.5 Crossing Surface (on Main Track multiple types allowed). Depending on future analysis, GCIS may be further updated to handle these cross-field validations for these items.

5. Documentation Inventory

The table below lists the documentation that has been updated for Version 2.10.2 (in addition to these release notes).

:

Document Name	Version	Date
GCIS Electronic Submissions Instructions v2.10.2 Rel 07-09-2020	2.10.2	07/09/2020