



Grade Crossing Inventory System (GCIS)

Release v2.9.0.0 (07/02/2019)

Release Notes

GCIS Release Notes GCIS v2.9.0.0 (07/02/2019)

This document is intended for Railroad and State users. The following items will be released on Tuesday, July 2, 2019.

1. Online Form and Online Application (Web User Interface [UI])

- a. The GCIS application has been modified, for the way the online web form works, for Part I.26 HSR Corridor ID.
- b. The GCIS application has been modified for V.5 and V.6 (Linear Referencing System (LRS)). Specifically, the GCIS Web form has been fixed to allow entry and display of blank spaces between alphanumeric characters in the Linear Referencing System items.
- c. The GCIS application has been modified to provide several “Reason for Update” selections, in the GCIS Railroad Data only web form, for individual railroads that operate over a separate track at the crossing. The “Reason for Update” selections for GCIS 2.9.0.0 release, for the GCIS Railroad Data only web form, are: Change in Data, New Crossing (if this is the initial Railroad short form record being submitted for a crossing), Date Change Only, Admin Correction, and No Train Traffic.
- d. The GCIS application has been modified, to show a message if “Submit a Download Request” is selected, and there are no crossings found for that Railroad. The message indicates that No crossing records exist in the GCIS database for the agency.
- e. The GCIS web application has been fixed so that an individual operating railroad, who operates over a separate track, can retrieve, display, and update the current data for their GCIS Railroad Data only web form.



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- f. The GCIS application has been modified for I.12, RR Milepost. A correction was made to I.12, RR Milepost prefix and suffix items, in the Railroad Data Only web form, used by individual operating railroads who operate a separate track at the crossing. The Railroad Data Only web form, which may be accessed from the “Multiple Forms Filed...Action(s) Needed” tab now allow users to also enter numeric characters, including 0, in I.12 RR Milepost’s prefix and suffix.
- g. GCIS Release 2.9.0.0 fixes the issue of Delegated GCIS Account User, not being able to edit Railroad Data Only data (i.e., Railroad “short” web form), from the “Multiple Forms Filed...Action(s) Needed” tab, on behalf of individual operating railroads operating over a separate track at the crossing, for whom the GCIS User is delegated to update GCIS.

2. FRA Approved API

- a. The GCIS application has been modified for Part I.26 HSR Corridor ID (HscoRrid and SfxHscoRrid). Changes have been made, so that API POSTS, submitted with (X), when published, will blank out the HSR Corridor ID, and -1 or N/A or n/a to specify not applicable in HscoRrid field (these should clear both fields (HscoRrid and SfxHscoRrid). [Notes: (1) When submitting Add new crossings, use either null or "" for submitting blank HscoRrid and SfxHscoRrid fields; (2) For API, instead of submitting the HSR Corridor three alpha characters, submit numeric code ID associated with these characters. This numeric code id can be found by using an API GET, with `//Masterwebservice/secureapi/gcis/v1/odata/Lookups?token=` (3)In the GCIS database HscoRrid = 0 for crossing records published with GCIS Release 2.9.0.0, means HscoRrid is blank.]



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- b. GCIS has been modified to process several “Reason for Update” values, for “ReportType” = “Minor”, in GCIS Release 2.9.0.0. For individual operating railroads, who operate over a separate track at the crossing, the POST API for “ReportType” is “Minor”, can submit the following ReasonID values: 14, 15, 20, 22, and 24. Note: “ReasonID” = 15 (this is Reason for Update is New Crossing), with respect to “ReportType” = “Minor”, indicates the initial ‘Minor’ record, for the crossing, is being submitted for the first time, to be added to GCIS.

3. FRA Approved Excel Templates (used for the File Upload feature)

- a. The GCIS application has been modified for Part I.26 HSR Corridor ID (HscoRrid and SfxHscoRrid). Changes have been made, for processing data uploaded using the xlsx GCIS Excel spreadsheet Railroad template, as follows: (X) can be used to blank out the HSR Corridor ID, and -1 or N/A or n/a to specify not applicable in HSCorrid field (these should clear both fields (HscoRrid and SfxHscoRrid). [Note: when submitting the HSR Corridor ID using the Excel spreadsheet, the numeric code ID associated with the three alpha characters is used.]
- b. For “Uploading” a GCIS Excel spreadsheet data file within the GCIS application, users will see that wording has been added in an Upload Notification message. The message: (1) lets user know that the file has been submitted for validation and processing, (2) displays the submission ID, (3) provides notes regarding time to process and refreshing the GCIS Screen, and (4) tells the user about checking the Unhandled Errors report if a crossing uploaded is in a deadlock processing status.
- c. The GCIS Excel Railroad Data Only spreadsheet template has been modified to display various “Reason for Update” selections for GCIS Release 2.9.0.0, to process these selections. Individual operating railroads who operate over a separate track at the crossing, can chose from the following “Reason for Update” selections in the GCIS Excel



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Railroad Data only template: Change in Data, New Crossing, Date Change Only, Admin Correction, and No Train Traffic. Note: “Reason for Update” is “New Crossing”, with respect to the Railroad Data Only submissions, indicates the initial Railroad Data only record, for the crossing, is being submitted the first time to add it to GCIS.

4. Data Validation

- a. The GCIS validation processing has changed for Part I.35, State Contact (Telephone No.) (HwyCnt). State Contact (HwyCnt) validation for GCIS 2.9.0.0, is based on the following: For Railroads, HwyCnt is mandatory for all new crossings: public, private, and grade separated; and optional for updates to existing crossings, both private and public (HwyCnt validation for States is to stay the same). [Note: Part I.35, State Contact (Telephone No.) (HwyCnt), for API POSTs, and .xlsx upload submissions, (X) can be used to blank out the State Contact Telephone number].
- b. The GCIS validation processing has changed for Part I.26 HSR Corridor ID (HscoRrid and SfxHscoRrid). Note this is a change in validation within the GCIS processing, but not a change in actual GCIS requirements for these fields. The validation processing, within the GCIS System for GCIS Release 2.9.0.0, is based on the following: GCIS validation processing for HscoRrid and SfxHscoRrid, is for these fields to be optional, for GCIS Release 2.9.0.0.

5. Public Website

- a. No modifications in the current release.

6. Documentation Inventory

The table below lists all current versions of documents located in the GCIS:

Document Name	Version	Last Updated Date
GCIS Web User Guide v2.9.0.0 Rel 07-02-2019	9.0	07/02/2019
GCIS Data Dictionary External Use v2.9.0.0 Rel 07-02-2019	9.0	07/02/2019



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Document Name	Version	Last Updated Date
GCIS Data Migration Strategy v2.9.0.0 Rel 07-02-2019	9.0	07/02/2019
GCIS Electronic Submissions Instructions v2.9.0.0 Rel 07-02-2019	9.0	07/02/2019
Grade Crossing Inventory Form Template RR_Data_Only v2.9.0.0 Rel 07-02-2019	9.0	07/02/2019
Grade Crossing Inventory Form Template RR_Full_Inventory_Record v2.9.0.0 Rel 07-02-2019	9.0	07/02/2019
Grade Crossing Inventory Form Template State v2.9.0.0 Rel 07-02-2019	9.0	07/02/2019

7. Documentation Change

- a. GCIS Electronic Submissions Instructions v2.9.0.0 Rel 07-02-2019
 - i. Fixed Version Number to be 5.4 in Revision Summary page
 - ii. On Cover Page, RRS-23 is corrected to RRS-22
 - iii. On page 8, added: POSTING updates for Full Inventory Record vs. “Short” (i.e., Multiple Form Filed) Railroad Form
 - iv. On page 25, deleted: “If ReasonId = 20 (Date Change Only), then ReportStatus must equal “Published” and ReportType must equal “Major” since ReasonId =20 is also allowed for Minor reports
 - v. On page 57, fixed spelling
 - vi. On page 58 added See Footnotes
 - vii. On page 67, Footnotes 1 and 3 have wording changes, and Footnote 3 has been corrected for what items to complete for Private Highway-Rail Grade Crossings (for New Crossings).
- b. Other GCIS 2.9.0.0 Documents – Global Change:
 - i. On Cover Pages, RRS-23 is corrected to RRS-22