

# GXP Xplorer® Platform v2.5.2 release details

Presented by GXP® Product Development



# Infrastructure

- New licenses are required when upgrading from GXP Xplorer® Platform v2.4 or earlier.
- Upgrade is supported from GXP Xplorer v2.4.5+.
- Federation is supported from GXP Xplorer v2.4.5+.
- DRS version is 5.6.07.R2.
- MSP version is 2.0

# GXP Xplorer v2.5.2 updates



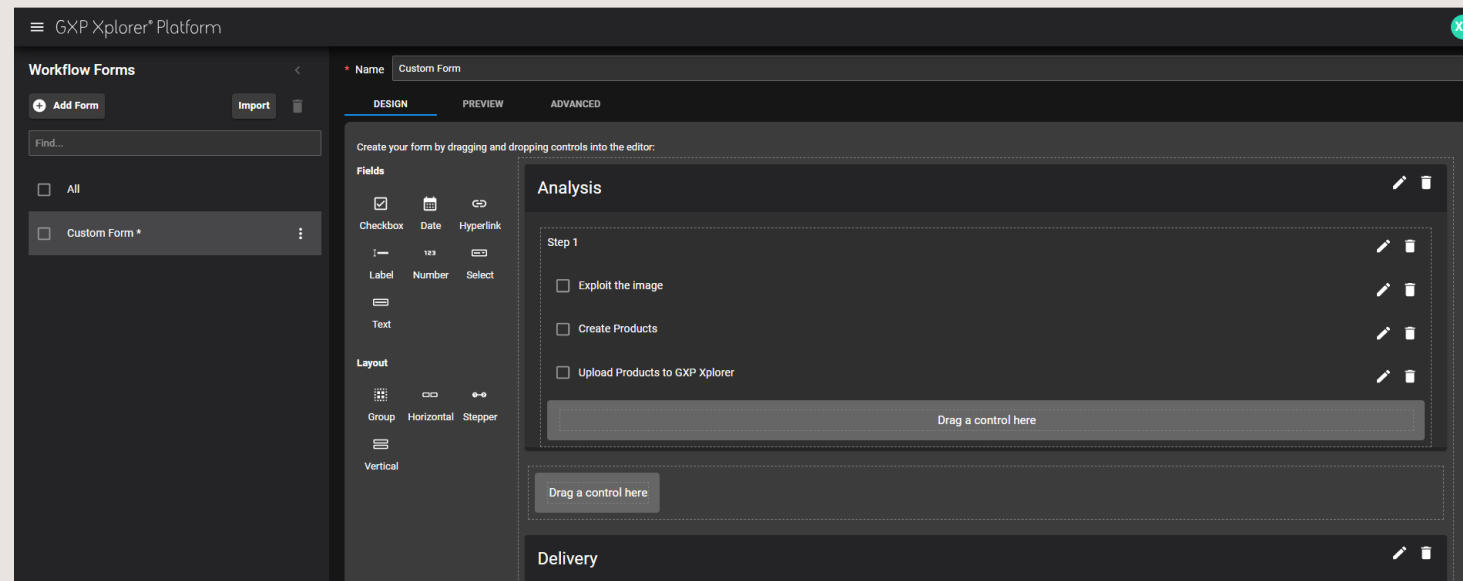
# New Forms Workflow

- Workflow Supervisors or Administrators can create customized Forms and use those as a template for guiding users as a part of a Workflow.
- Customized Forms can have a wide variety of labels, text boxes, checkboxes, and other components.
- Forms can be used as checklists for analysts or step by step instructions for completing a particular task.
- Users can create links to open associated imagery with the Task in GXP WebView® or SOCET GXP® directly in the Form.
- These can currently only be launched from Workflow rules: On Ingest, On Schedule (One Time Only), and On Demand.

The screenshot shows a workflow form titled "Analysis". It contains a "Tasks" section with three checkboxes: "Use GXP Explorer to Find an Image", "Exploit the image in SOCET GXP", and "Create Products". Below the tasks is a blue link labeled "Open in". At the bottom, there is a progress bar with three steps: "1 Step 1", "2 Step 2", and "3 Step 3". Below the progress bar is a text input field labeled "Username of Analyst". At the very bottom, there is a text prompt: "An unidentified vehicle has been detected in the area. Search the image to locate the vehicle and provide contextual information."

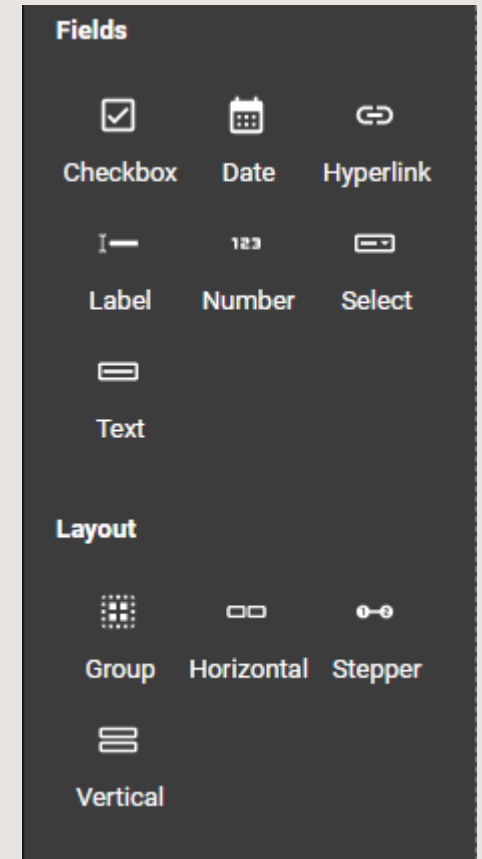
# Creation of Custom Forms

- Forms can be created from the Workflows...Forms page.
  - Users must have the Workflow Supervisor role to create Forms.
- Previously created forms can be imported from here.
- A drag and drop interface for adding components to a form will be presented.
- Each component added can be edited and customized based on the type of component it is.



# Custom form components

- Types of components that can be added include:
  - Checkboxes
  - Date Pickers
  - Hyperlinks (can be used to open imagery in GXP WebView and SOCET GXP)
  - Labels
  - Number Select
  - Text Select (Drop Down List)
  - Text (can be auto-populated with username, date/time, etc. based on user)
- Organizational components to help with the form layout include:
  - Groups
  - Horizontal Separators
  - Step Bars
  - Vertical Separators



## Creation of Forms Workflow

- In the Define Rule step, users will select a Form Workflow.
- Users can select which form they want to display and use in the Configuration step.

The screenshot displays the GXP Xplorer Platform interface. On the left is a sidebar with a 'Workflows' section containing 'Rules' (highlighted), 'Candidate Assignment', 'Forms', and 'Help'. The main area shows a four-step process: 1. Define Rule, 2. Trigger, 3. Configuration (active), and 4. Preview. Below the steps is a 'Configuration' panel with a 'Form:' label and a dropdown menu. The dropdown is open, showing 'Select a form' at the top and 'My Workflow Form' below it. At the bottom of the panel are 'Cancel', 'Previous', 'Next', and 'Skip Preview' buttons.

## Opening a Forms Workflow Task

- Once a Task is created from a Forms Workflow rule, a user can assign it to himself to work and then open in GXP Workflow Form which will display the form for the user to complete.
- Users can save the Form and complete it later if necessary.
- Users can mark the Task as complete once they have finished with the information from the form.
- The completed Form will be stored in the catalog.

The screenshot shows the 'GXP Xplorer Platform' interface. At the top, there's a 'Do Work' header with a back arrow and an 'Unassign from Me' button. Below this is a 'Details' section with a table containing task information: Task ID (434), Workflow ID (225), Location, Status (ASSIGNED), and Assignee. To the right of the table is a 'Description' field with a 'Comments' text area. At the bottom, there's a 'Work Packet' section. On the right side of the interface, there are two buttons: 'GXP Fusion' and 'GXP Workflow Form'.

The screenshot shows the 'GXP Xplorer Platform' interface in the 'Analysis' section. It displays a 'Tasks' list with three items: 'Use GXP Xplorer to Find an Image', 'Exploit the image in SOCET GXP', and 'Create Products'. Below the tasks is a progress bar with three steps: 'Step 1' (active), 'Step 2', and 'Step 3'. Under 'Step 1', there's a 'Username of Analyst' field. A message states: 'An unidentified vehicle has been detected in the area. Search the image to locate the vehicle and provide contextual information.' At the bottom right, there are two buttons: 'SAVE' and 'MARK COMPLETE'.



## Other significant enhancements

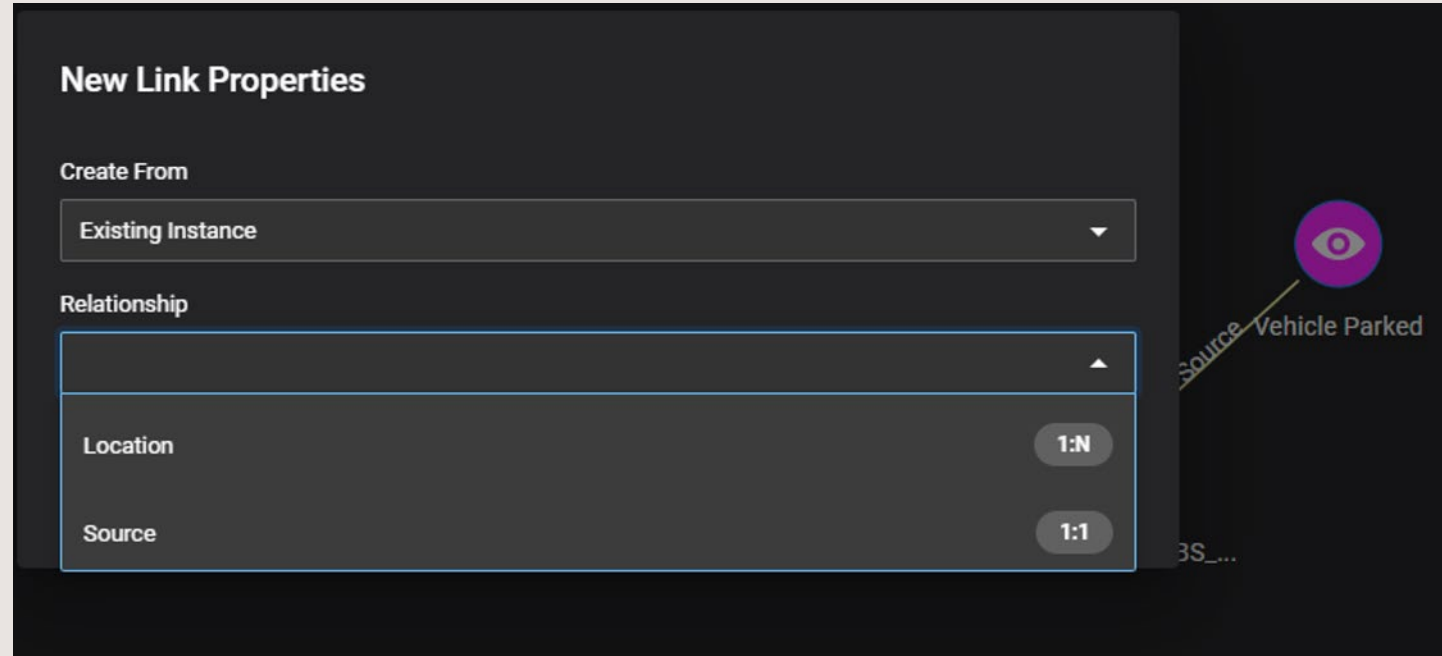
- Mosaics created using the Step Stare algorithm now contain metadata about the input images used to create the mosaic.

# GXP Fusion® v2.5.2 updates



# Create or edit Entities and observations within the Network Graph Widget

- Users may right click on an observation to create or edit links between Entities and observations.



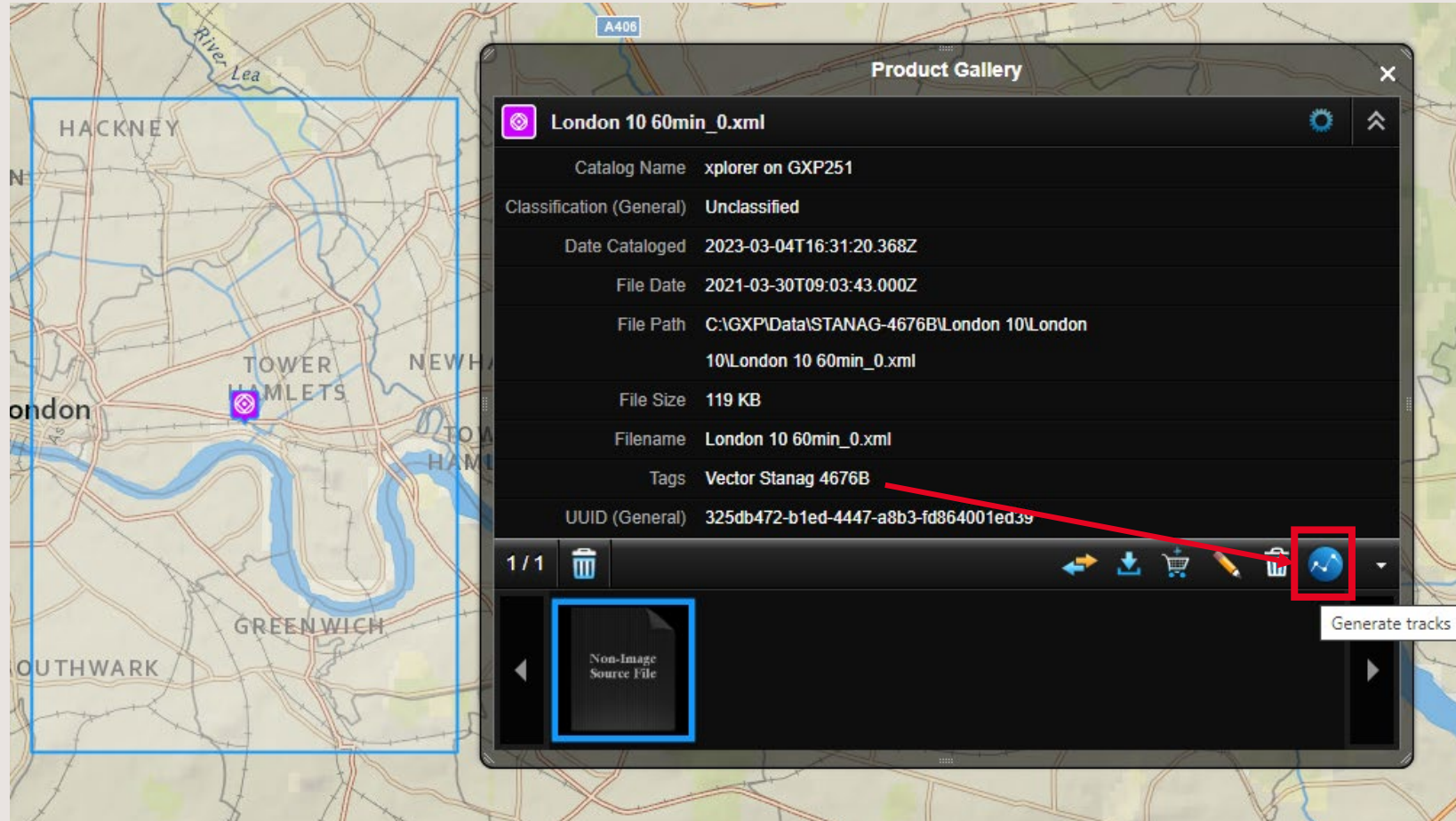


# GXP InMotion v2.5.2 updates



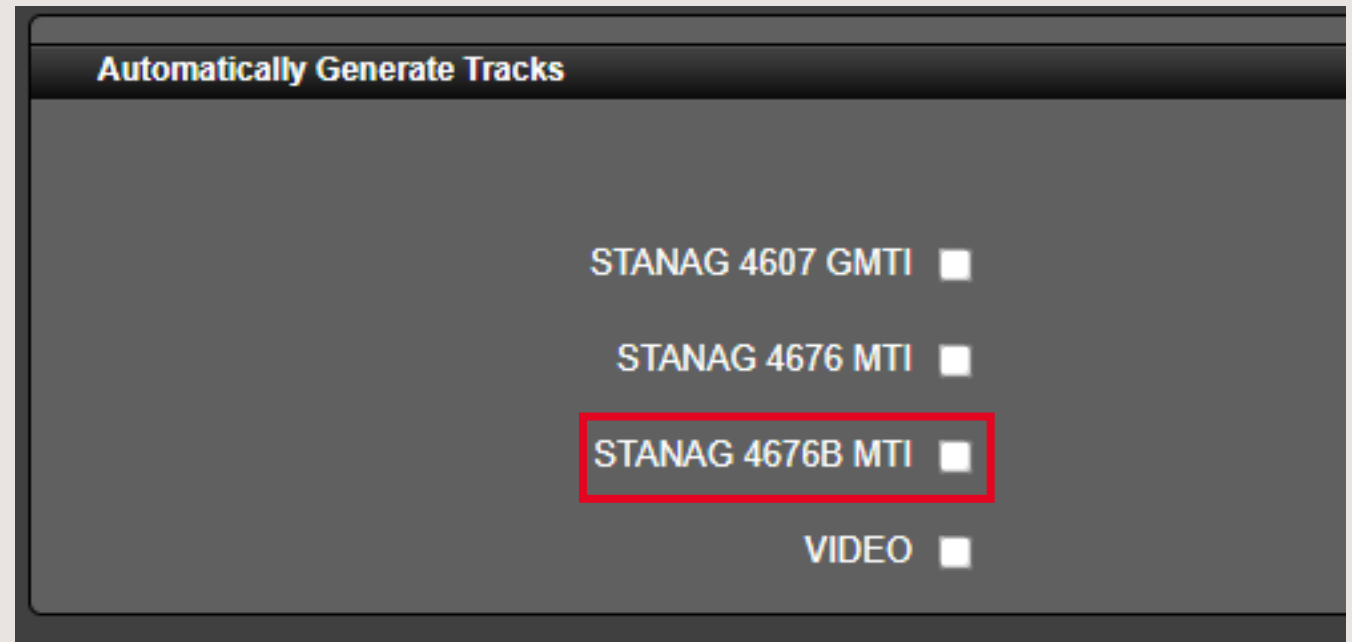
## 'Generate Tracks' for 4676B files

- The STANAG 4676B file type contains track data. A 'Generate Tracks' button was added for 4676b files cataloged by GXP Xplorer.
- Clicking the 'Generate Tracks' button sends the files to the TASS MOVINT Database.
- Tracks stored within the TASS are accessed by the web for track production and exploitation services, or via the desktop for exploitation.



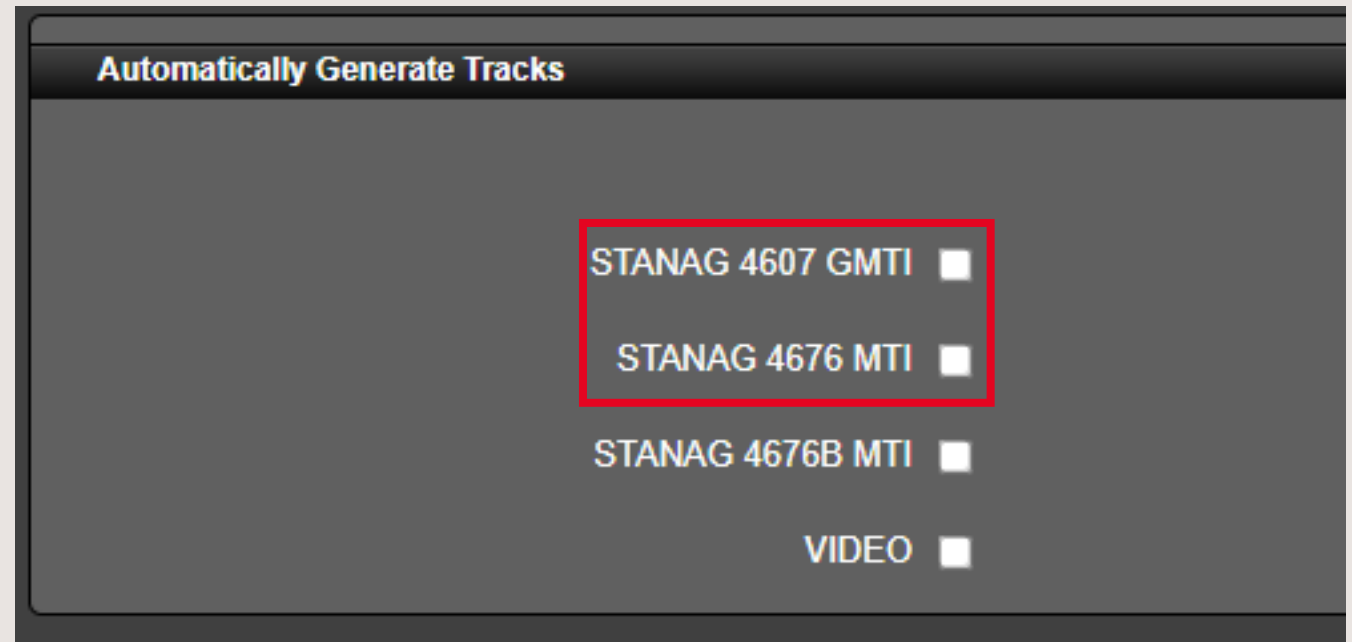
## Automatically Generate Tracks for 4676B files upon ingest

- The GXP Platform has the ability to automatically generate tracks from video, STANAG 4607, and STANAG 4676 when connected to a TASS server.
- GXP Xplorer may now be automatically configured to send cataloged STANAG 4676B files to TASS for track creation.
- Tracks stored within the TASS are accessed by the web for track production and exploitation services, or via the desktop for exploitation.
- Prerequisite: Platform v2.5.2.0 configured with TASS v1.4.8.0 or newer.



## "STANAG 46xx" buttons now unchecked by default

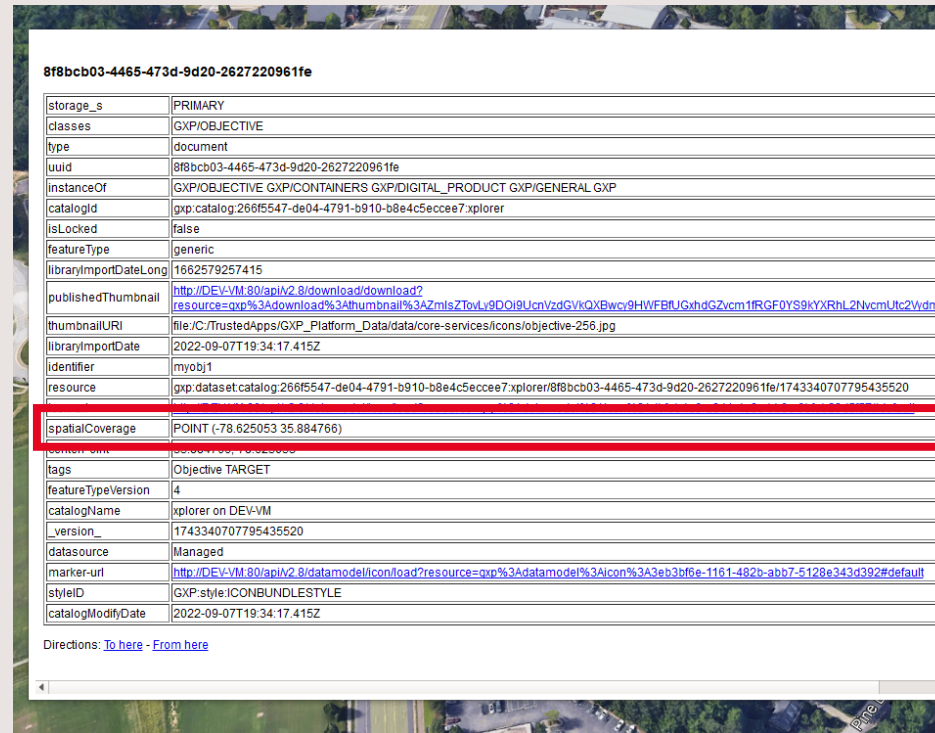
- The GXP Platform has the ability to automatically generate tracks from video and STANAG 4607/4676/4676B when connected to a TASS server.
- Previously the STANAG 4607 GMTI and STANAG 4676 MTI files types were enabled by default to automatically generate tracks.
- Starting in v2.5.2.0 all the files types listed under the Automatically Generate Tracks section of the TASS Configuration panel will be unchecked by default.





# Reformatted track descriptions during MOVINT KMZ export

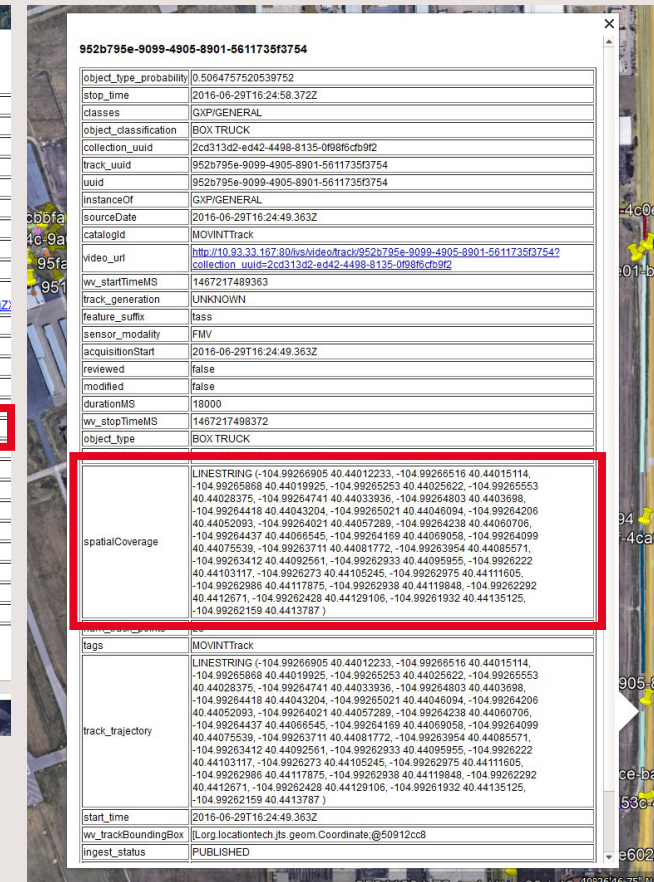
- The TASS service's MOVINT KMZ publisher provided no formatting for the KMZ description previously; each metadata field was pasted into plain text.
- The updated format now dynamically creates a schema for the KML document, and output follows a design process so that track descriptions are human-readable.



8f8bcb03-4465-473d-9d20-2627220961fe	
storage_s	PRIMARY
classes	GXP/OBJECTIVE
type	document
uuid	8f8bcb03-4465-473d-9d20-2627220961fe
instanceOf	GXP/OBJECTIVE GXP/CONTAINERS GXP/DIGITAL_PRODUCT GXP/GENERAL GXP
catalogId	gxp.catalog:266f5547-de04-4791-b910-b8e4c5eccee7:explorer
isLocked	false
featureType	generic
libraryImportDateLong	1662579257415
publishedThumbnail	<a href="http://DEV-VM:80/api/v2.8/download/download?resource=gxp%3Adownload%3Athumbnail%3AZmlsZTovLz9DOi9UcnVzdGVkQXBwcy9HWFBFIUxhdGZvcml1RGF0Y3RkYXhRL2NvcmlUc2VmdmliZ2">http://DEV-VM:80/api/v2.8/download/download?resource=gxp%3Adownload%3Athumbnail%3AZmlsZTovLz9DOi9UcnVzdGVkQXBwcy9HWFBFIUxhdGZvcml1RGF0Y3RkYXhRL2NvcmlUc2VmdmliZ2</a>
thumbnailURI	file:/C:/TrustedApps/GXP_Platform_Data/data/core-services/icons/objective-256.jpg
libraryImportDate	2022-09-07T19:34:17.415Z
identifier	myobj1
resource	gxp:dataset catalog:266f5547-de04-4791-b910-b8e4c5eccee7:explorer/8f8bcb03-4465-473d-9d20-2627220961fe/1743340707795435520
spatialCoverage	POINT (-78.625053 35.884766)
tags	Objective TARGET
featureTypeVersion	4
catalogName	explorer on DEV-VM
version	1743340707795435520
datasource	Managed
marker-url	<a href="http://DEV-VM:80/api/v2.8/datasource/iconload?resource=gxp%3Adatasource%3Aicon%3A3eb3bf6e-1161-482b-abb7-5128e343d392#default">http://DEV-VM:80/api/v2.8/datasource/iconload?resource=gxp%3Adatasource%3Aicon%3A3eb3bf6e-1161-482b-abb7-5128e343d392#default</a>
styleID	GXP:style:ICONBUNDLESTYLE
catalogModifyDate	2022-09-07T19:34:17.415Z

Directions: [To here](#) - [From here](#)

KMZ output format before



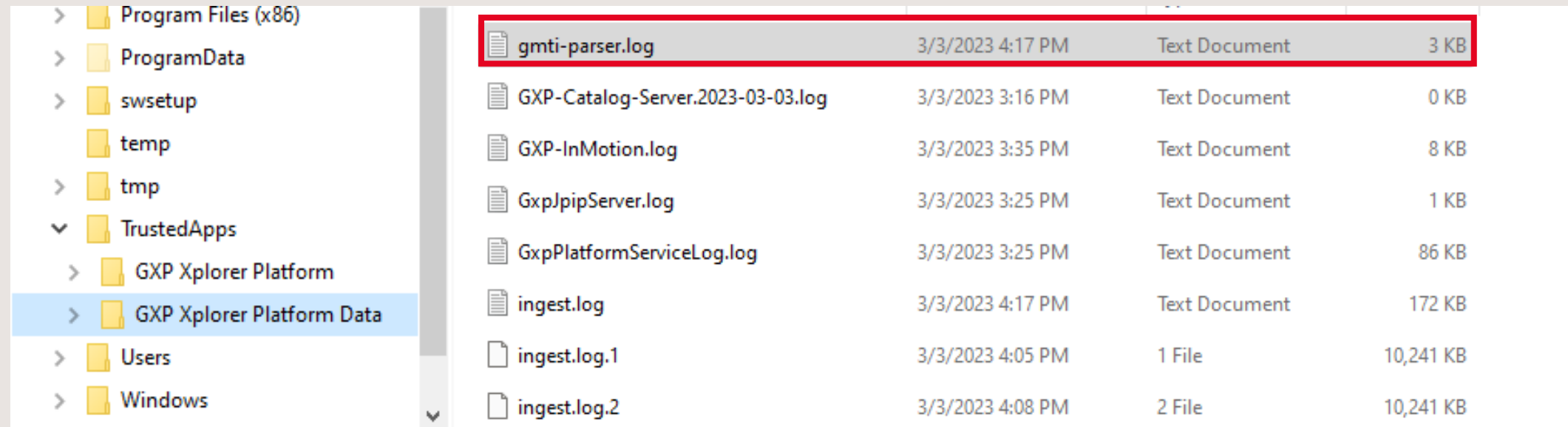
952b795e-9099-4905-8901-5611735f3754	
object_type_probability	0.5064757520539752
stop_time	2016-06-29T16:24:58.372Z
classes	GXP/GENERAL
object_classification	BOX TRUCK
collection_uuid	2cd313d2-ed42-4498-8135-0f88fcd592
track_uuid	952b795e-9099-4905-8901-5611735f3754
uuid	952b795e-9099-4905-8901-5611735f3754
instanceOf	GXP/GENERAL
sourceDate	2016-06-29T16:24:49.363Z
catalogId	MOVINTTrack
video_url	<a href="http://10.93.33.167.80/ivs/AudioTrack/952b795e-9099-4905-8901-5611735f3754?collection_uuid=2cd313d2-ed42-4498-8135-0f88fcd592">http://10.93.33.167.80/ivs/AudioTrack/952b795e-9099-4905-8901-5611735f3754?collection_uuid=2cd313d2-ed42-4498-8135-0f88fcd592</a>
vw_startTimeMS	1467217489363
track_generation	UNKNOWN
feature_suffix	tass
sensor_modality	FMV
acquisitionStart	2016-06-29T16:24:49.363Z
reviewed	false
modified	false
durationMS	18000
vw_stopTimeMS	1467217498372
object_type	BOX TRUCK
spatialCoverage	LINESTRING (-104.99266905 40.44012233, -104.99266516 40.44015114, -104.99265868 40.44019925, -104.99265253 40.44025622, -104.99265553 40.44028375, -104.99264741 40.44033936, -104.99264803 40.4403698, -104.99264418 40.44043204, -104.99265021 40.44046094, -104.99264206 40.44052093, -104.99264021 40.44057289, -104.99264238 40.44060706, -104.99264437 40.44066545, -104.99264169 40.44069058, -104.99264099 40.44075539, -104.99263711 40.44081772, -104.99263954 40.44085571, -104.99263412 40.44092561, -104.99262933 40.44095955, -104.9926222 40.44103117, -104.9926273 40.44105245, -104.99262975 40.44111605, -104.99262986 40.44117875, -104.99262938 40.44119848, -104.99262292 40.4412671, -104.99262428 40.44129106, -104.99261932 40.44135125, -104.99262159 40.4413787)
tags	MOVINTTrack
track_trajectory	LINESTRING (-104.99266905 40.44012233, -104.99266516 40.44015114, -104.99265868 40.44019925, -104.99265253 40.44025622, -104.99265553 40.44028375, -104.99264741 40.44033936, -104.99264803 40.4403698, -104.99264418 40.44043204, -104.99265021 40.44046094, -104.99264206 40.44052093, -104.99264021 40.44057289, -104.99264238 40.44060706, -104.99264437 40.44066545, -104.99264169 40.44069058, -104.99264099 40.44075539, -104.99263711 40.44081772, -104.99263954 40.44085571, -104.99263412 40.44092561, -104.99262933 40.44095955, -104.9926222 40.44103117, -104.9926273 40.44105245, -104.99262975 40.44111605, -104.99262986 40.44117875, -104.99262938 40.44119848, -104.99262292 40.4412671, -104.99262428 40.44129106, -104.99261932 40.44135125, -104.99262159 40.4413787)
start_time	2016-06-29T16:24:49.363Z
vw_trackBoundingBox	[org.locationtech.jts.geom.Coordinate@50912cc8
ingest_status	PUBLISHED

KMZ output format after



## New GXP InMotion GMTI log files

- A GXP InMotion Service log file has been created that will contain all of the log statements pertaining to GMTI capturing services for the GXP InMotion Server.
- These log files will aide administrators during troubleshooting capture issues that can also be shared with GXP support for further resolution.



The screenshot shows a Windows File Explorer window. The left pane displays the folder hierarchy: Program Files (x86), ProgramData, swsetup, temp, tmp, TrustedApps, GXP Xplorer Platform, GXP Xplorer Platform Data (selected), Users, and Windows. The right pane shows a list of files and folders. The file 'gmti-parser.log' is highlighted with a red border. Below it are several log files, including 'GXP-Catalog-Server.2023-03-03.log', 'GXP-InMotion.log', 'GxpJpipServer.log', 'GxpPlatformServiceLog.log', 'ingest.log', 'ingest.log.1', and 'ingest.log.2'.

File Name	Modified Date	File Type	Size
gmti-parser.log	3/3/2023 4:17 PM	Text Document	3 KB
GXP-Catalog-Server.2023-03-03.log	3/3/2023 3:16 PM	Text Document	0 KB
GXP-InMotion.log	3/3/2023 3:35 PM	Text Document	8 KB
GxpJpipServer.log	3/3/2023 3:25 PM	Text Document	1 KB
GxpPlatformServiceLog.log	3/3/2023 3:25 PM	Text Document	86 KB
ingest.log	3/3/2023 4:17 PM	Text Document	172 KB
ingest.log.1	3/3/2023 4:05 PM	1 File	10,241 KB
ingest.log.2	3/3/2023 4:08 PM	2 File	10,241 KB

# Thank you