

MultiSpeak Version 4.0 Interoperability Assertion

Statement of Interoperable Functionality Between:

Vendors	Products	Product Version	Role	Web Client Interfaces	Web Server Interfaces
Milsoft Utility Solutions, Inc.	Milsoft Integration Server Milsoft DisSPatch Outage Management System	8.1	OA, GV	GV→AVL_Server OA→AVL_Server	AVL→GV_Server AVL→OA_Server
GeoDigital International	WorkStudio AVL	8.2	AVL	AVL→GV_Server AVL→OA_Server	GV→AVL_Server OA→AVL_Server

Summary:

Milsoft’s DisSPatch OMS product is capable of receiving AVL data from GeoDigital’s WorkStudio using MultiSpeak web services. GeoDigital’s WorkStudio serves as the central receiver for GPS and vehicle information from their mobile devices. The Milsoft Integration Server accepts real-time update information on behalf of Milsoft DisSPatch OMS. It then prepares/stores the AVL data for display & interaction within DisSPatch clients.

Assuming initial configuration parameters are defined, DisSPatch clients can display an icon on the screen representing the AVL data source. They are also capable of viewing the history of any single AVL data source both in tabular form and as breadcrumb icons on the DisSPatch client map.

Prerequisites:

The Enhanced Crew Management & AVL add-ons for DisSPatch must be installed and configured for proper integration. The GeoDigital vehicle ID must match the AVLID in DisSPatch Enhanced Crew Management. Additionally, both GeoDigital WorkStudio and the Milsoft Integration Server must be accessible to each other and configured for communication.

Specific Vendor Assertions:

1) DisSPatch will update defined vehicle location icons as real-time AVL information arrives.

Importance to user: The user will be able to centrally view where their trucks are within DisSPatch so dispatchers can judge how to best utilize resources and provide increased safety to mobile workers.

How Achieved: Milsoft's Integration Server will serve as a receiver for incoming **AVLChangedNotifications** being sent from GeoDigital's WorkStudio. The DisSPatch clients pull information from the Milsoft data store as new data is being translated by the MultiSpeak AVL interface of the Milsoft Integration Server and updates defined vehicle icons with a new map location.

2) DisSPatch will allow users to view historical AVL data

Importance to user: The user will be able to view from within DisSPatch where a vehicle has been using the data collected from GeoDigital.

How Achieved: By clicking on a vehicle in DisSPatch you can open a window that displays a grid of where that vehicle has been over a specified time period. This also puts new icons on the map to represent where that vehicle has been (breadcrumb trail). When a record is selected in the vehicle info grid, the historical icons change size to represent the current selected position on the map. Data from a date time range retrieves data archived from the received **AVLChangedNotifications**.

Products: Milsoft Integration Server and GeoDigital WorkStudio AVL

**Summary of Interoperability Test Results
AVL→GV and or OA**

**Table 1
Recommended MultiSpeak Methods**

Method Name	Importance to User	Supported by Server ¹ (GV and OA)	Supported by Client ² (AVL)	Verified Inter-operable ³
AVLChangedNotification	AVL Notifies OA of changes in AVL object(s) by sending the changed AVLog objects(s)	X	X	X
GetMethods	Requests a list of methods supported by the server.	X	X	X
GetPublishMethods	Requester requests list of methods to which this server can publish information.			
PingURL	Verifies that the server is running and reachable.	X	X	X

**Table 2
Optional MultiSpeak Methods**

Method Name	Importance to User	Supported by Server ¹ (GV and OA)	Supported by Client ² (AVL)	Verified Inter-operable ³
GetDomainMembers	Requests the members of a given domain (type of fixed information, such as all of the counties in the database).	X		
GetDomainNames	Requests the domains (lists of fixed information, such as the counties served, or the acceptable status codes for this installation).	X		

1) Supported by Server means that the server has demonstrated in some interoperability test (not necessarily with this client) that it can support the method.

2) Supported by Client means that the client has demonstrated in some interoperability test (not necessarily with this server) that it can call the method.

3) Verified Interoperable means that both the client and server have demonstrated in this interoperability test that they can usefully transfer data using this method.

Products: Milsoft Integration Server and GeoDigital WorkStudio AVL

**Summary of Interoperability Test Results
GV and OA → AVL**

**Table 3
Required MultiSpeak Methods**

Method Name	Importance to User	Supported by Server ¹ (AVL)	Supported by Client ² (GV and OA)	Verified Inter-operable ³
GetMethods	Requests a list of methods supported by the server.	X	X	X
PingURL	Verifies that the server is running and reachable.	X	X	X

GV and OA → AVL

**Table 4
Recommended MultiSpeak Methods**

Method Name	Importance to User	Supported by Server ¹ (AVL)	Supported by Client ² (GV and OA)	Verified Inter-operable ³
GetAVLMessages	Returns all AVLLog objects for a given time period		X	
GetAVLMessagesByAVLID	Returns all AVLLog objects for a given time period and AVLID		X	

1) Supported by Server means that the server has demonstrated in some interoperability test (not necessarily with this client) that it can support the method.

2) Supported by Client means that the client has demonstrated in some interoperability test (not necessarily with this server) that it can call the method.

3) Verified Interoperable means that both the client and server have demonstrated in this interoperability test that they can usefully transfer data using this method.



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Disclaimer:

The assertions made in this document are statements of the vendors offering the two products listed above. The Testing Agent has observed the software performing the tasks described in these vendor assertions.

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