



Federal Aviation Administration

NAS Service Registry and Repository (NSRR)

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Service Profile

NASA TFDM Terminal Publication (NASA TTP)

Updated in this release

Lifecycle Stage: *Verification*

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Service Name: NASA TFDM Terminal Publication (NASA TTP)

Service Description:

This service publishes all relevant information about the departure of a flight or the arrival of a flight at a NASA ATD-2 participating airport. Flight Data is a collection of information about the flight. TFDM receives data from other NAS systems - ERAM, TDLS, TFMS, STARS, ASDE-X, ASSC, and TBFM. TFDM enhances this information with respect to the airport surface, the flight Data is sent as it is updated.

GRID: <http://nsrr.faa.gov/services/nasa-ttp>

Service Version: 1.1

SWIM Service Category: Flight

Service Interface Type: Message-Oriented

Messaging Model: Publish/Subscribe

Service Criticality Level: Essential

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Service Documents

NASA TFDM Terminal Publication (NASA TTP)



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Document Type	File	Date Added	Description
Data Description	NASA TTP Airport Information Messages v1.2.docx	08/10/2020 - 04:37	This document describes what to expect when consuming NASA TTP Airport Information Messages including message headers, schema, example message and a breakdown of the differences between the NASA TTP Airport Information Messages and the future TFDM TTP Airport Information Message.
Java Messaging Service Description Document (JMSDD)	NASA_REF_E41_NAS_TFM_TTP-AirportInformation_v2.0.1_2019_1127_19-0783.docx	08/05/2020 - 13:29	<p>This Java Messaging Service Description Document (JMSDD) provides a description of the TFDM Airport Information (TTP) Service for the Traffic Management Restrictions Business Function. This document was used as a reference in the development of the NASA TTP service. This service gives a service consumer the capability to subscribe to TFDM Airport Information generated by the NASA ATD-2 project via a static subscription.</p> <p>This JMSDD has been prepared in accordance with FAA-STD-073, Department of Transportation Federal Aviation Administration, Preparation of Java Messaging Service Description Documents.</p>

Document Type	File	Date Added	Description
<p>Java Messaging Service Description Document (JMSDD)</p>	<p> NASA_REF_E41_NAS_TFD M_TTP-TMR_v.2.0.1_20190802_19-03 44.docx</p>	<p>08/05/2020 - 13:26</p>	<p>This Java Messaging Service Description Document (JMSDD) provides a description of the TFDM Terminal Publication (TTP) Service for the Traffic Management Restrictions Business Function. This document was used as a reference in the development of the NASA TTP service. This service gives a service consumer the capability to subscribe to TFDM Traffic Management Restrictions information generated by the NASA ATD-2 project via a static subscription.</p> <p>This JMSDD has been prepared in accordance with FAA-STD-073, Department of Transportation Federal Aviation Administration, Preparation of Java Messaging Service Description Documents.</p>
<p>Java Messaging Service Description Document (JMSDD)</p>	<p> NASA_REF_E41_NAS_TFD M_TTP-SMP_v1.0.1_20191127_19-07 87.docx</p>	<p>08/05/2020 - 13:24</p>	<p>This Java Messaging Service Description Document (JMSDD) provides a description of the TFDM Terminal Publication (TTP) Service for the Surface Metering Program Business Function. This document was used as a reference in the development of the NASA TTP service. This service gives a service consumer the capability to subscribe to TFDM Surface Metering Program information generated by the NASA ATD-2 project via a static subscription.</p> <p>This JMSDD has been prepared in accordance with FAA-STD-073, U.S. Department of Transportation Federal Aviation Administration Standard Practice preparation of Java Messaging Service Description Documents.</p>

Document Type	File	Date Added	Description
<p>Java Messaging Service Description Document (JMSDD)</p>	<p> NASA_REF_E41_NAS_TFD M_TTP-OperationalMetrics_v2.0.0.1_20191127_19-0786.docx</p>	<p>08/05/2020 - 13:23</p>	<p>This Java Messaging Service Description Document (JMSDD) provides a description of the TFDM Terminal Publication (TTP) Service for the Operational Metrics Business Function. This document was used as a reference in the development of the NASA TTP service. This service gives a service consumer the capability to subscribe to TFDM Operational Metrics information generated by the NASA ATD-2 project via a static subscription.</p> <p>This JMSDD has been prepared in accordance with FAA-STD-073, Department of Transportation Federal Aviation Administration, Preparation of Java Messaging Service Description Documents.</p>
<p>Java Messaging Service Description Document (JMSDD)</p>	<p> NASA_REF_E41_NAS_TFD M_TTP-FlightDelay_v2.0.1_20191127_19-0785.docx</p>	<p>08/05/2020 - 13:11</p>	<p>This Java Messaging Service Description Document (JMSDD) provides a description of the TFDM Terminal Publication (TTP) Service for the Flight Delay Business Function. This document was used as a reference in the development of the NASA TTP service. This service gives a service consumer the capability to subscribe to TFDM Flight Delay information generated by the NASA ATD-2 project via a static subscription.</p> <p>This JMSDD has been prepared in accordance with FAA-STD-073, Department of Transportation Federal Aviation Administration, Preparation of Java Messaging Service Description Documents.</p>

Document Type	File	Date Added	Description
Java Messaging Service Description Document (JMSDD)	 NASA_REF_E41_NAS_TFD M_TTP-FlightData_v2.0.1_20191127_19-0784.docx	08/05/2020 - 13:09	<p>This Java Messaging Service Description Document (JMSDD) provides a description of the TFDM Terminal Publication (TTP) Service for the Flight Data Business Function. This document was used as a reference in the development of the NASA TTP service. This service gives a service consumer the capability to subscribe to TFDM Flight Data information generated by the NASA ATD-2 project via a static subscription.</p> <p>This JMSDD has been prepared in accordance with FAA-STD-073, Department of Transportation Federal Aviation Administration, Preparation of Java Messaging Service Description Documents.</p>
Data Description	 NASA TTP Traffic Management Messages v1.2.docx	08/05/2020 - 13:07	<p>This document describes what to expect when consuming NASA TTP Traffic Management Messages including message headers, schema, example message and a breakdown of the differences between the NASA TTP Traffic Management Messages and the future TFDM TTP Traffic Management Messages.</p>
Data Description	 NASA TTP Operational Metrics Messages v1.2.docx	08/05/2020 - 13:02	<p>This document describes what to expect when consuming NASA TTP Operational Metrics Messages including message headers, schema, example message and a breakdown of the differences between the NASA TTP Operational Metrics Messages and the future TFDM TTP Operational Metrics Message.</p>
Data Description	 NASA TTP Flight Delay Messages v1.2.docx	08/05/2020 - 12:58	<p>This document describes what to expect when consuming NASA TTP Flight Delay Messages including message headers, schema, example message and a breakdown of the differences between the NASA TTP Flight Delay Messages and the future TFDM TTP Flight Delay Messages.</p>

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Service Documents


NASA TFDM Terminal Publication (NASA TTP)

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Document Type	File	Date Added	Description
Data Description	NASA TTP Surface Metering Program Messages v1.1.docx	08/05/2020 - 12:20	This document describes what to expect when consuming NASA TTP Surface Metering Program Messages including message headers, schema, example message and a breakdown of the differences between the NASA TTP Surface Metering Program Messages and the future TFDM TTP Surface Metering Program Messages.
Data Description	NASA TTP Flight Data Messages v1.5.docx	08/05/2020 - 12:19	This document describes what to expect when consuming NASA TTP Flight Data Messages including message headers, schema, example message and a breakdown of the differences between the NASA TTP Flight Data Messages and the future TFDM TTP Flight Data Messages.
Other	TTP_Sample_20200728.zip	08/05/2020 - 08:09	This file contains samples of Airport Information, Flight Data, Flight Delay, Operational Metrics, Surface Metering Program, and Traffic Management Restrictions messages captured from CLT airport.
XML Schema Definition (XSD)	NASA_TTP_Schemas_2020_07_28.zip	08/03/2020 - 12:04	This .zip file contains the xml schemas for the Airport Information messages, Operational Metrics messages, and Traffic Management Restriction messages.

Document Type	File	Date Added	Description
XML Schema Definition (XSD)	 Fixm4NillableSchemas_2018_12_05.zip	03/20/2019 - 14:12	This .zip file contains the XML FIXM schemas used for the Flight Data and Flight Delay messages.

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