

DIP Manager Release Note – DIP Summer 2026 release (version 9.x.x)

Data Integration Platform (DIP) Manager

Owner/author	DIP Manager	Purpose of paper	Release Note
Classification	Public	Document version	v0.2 – Development version
Date	20April 2026		
Summary	Provides a Market Participant an early view of DIP Summer 2026 release (v9.x.x.)		

Introduction

This release note provides a preliminary view of the changes implemented by the 9.x.x release. Currently, the system changes are in development and are due for deployment on **13 August 2026**. The primary aim of the development version of the note is to provide insight to DIP Participants of the Swagger changes that will be accompanied by the release, and how the new APIs work (these have been delayed – see below)

This release note is primarily aimed at development teams that need to improve their systems and want to make use of these new and reworked functions.

Please note that changes 51136 Bulk Message Replay/Requeue and 49300 Status Message Replay/Requeue are currently on hold and will not be included in the 13 August 2026 Release. A recent reprioritisation has taken place, which means these changes have been delayed and will not be included in this release. Issues with the cost of the storage with the DIP message archive have meant the DIP Service Provider (Avanade) development has been reallocated to address this issue. More information on this change will be made available in the updated version of the release note.

Summary

DIP Version	9.x.x (from 8.1.3)
Planned Release	July/August 2026
Stage	Development
Swagger Version	2.1.0 (u/g from 2.0.1) <ol style="list-style-type: none"> 1. Bulk Message replay – rework of Replay/Requeue API - delayed 2. Inclusion of Status Message replay/requeue API - delayed 3. Addition of regex to Sender Unique Reference 4. REP900 Swagger update
Qualification Impact	The changes in this release have no impact on qualification
Market Participant Testing	Parties who want to test the reworked replay/requeue API and the new Status Message replay API will be able to in DIP-ITE when it

becomes available later in the year. Further DIP Manager communication will be issued with planning information for parties to be part of this testing. (this functionality is delayed)

DIP Manager Testing

DIP Manager will perform its Assurance Testing in DIP-ETE.

Swagger Hosting

The DIP Manager has undertaken an exercise of rehosting the DIP Swagger specifications. Following on from the tactical deployment of the Swagger specifications in Swaggerhub by the MHHS Programme, the DIP Manager has moved the repo to GitHub and is presenting the APIs on the DIP Manager website. The Swagger definitions will be available to download from either the DIP Manager website or via GitHub. If your development staff wish to have access to the DIP Manager GitHub repository, please raise a [SNOW](#) ticket, and the DIP Manager will provide access. Access to the unresolved swagger files, containing all the history and change control information, are available in the GitHub repository.

The new 2.1.0 version of the swagger can be found at: <https://dip-api-documentation.elexon.co.uk/>. There are two versions available to view and download from the new location: both the current live version (v2.0.1) and the pre-release version (v2.1.0) so please ensure you select the correct version. N.B. Please only use the v2.1.0 on the new API documentation site as the previous release v2.0.1 has not been used. For previous releases v2.0.1 and before please use Swaggerhub repository. We have noticed minor differences in the way the Swagger is resolved between the Github and Swaggerhub solutions however none of differences are deemed material.

Swagger Versions

There are no updates to any of the schema versions associated with the DIP messages in this release:

Interface	Interface Name	Event Code(s)	Current Version (2.0.1)	Next Version (2.1.0)
IF-001	Notification of Change of Supplier	[ChangeOfSupplier]	011	011
		[InitialRegistration]	011	011
IF-002	Notification to New Supplier of Site Information	[GainMPANInfo]	011	011
IF-003	Notification of Reverse Migration and Deappointment	[ReverseMigNotification]	011	011
		[MSDeAppRM]	011	011
		[DSDeAppRM]	011	011
IF-004	Comms Hub Information (Optional)	[CommsHubInfo]	011	011
IF-005	Metering Service MTD Updates to Registration	[MeterInstall]	011	011
		[MeterRemoval]	011	011
		[MeterExchange]	011	011
		[MeterUpdate]	011	011
		[MeterHistoryUpdate]	011	011
IF-006	Notification of Metering Service MTD Update to Registration	[MeterInstall]	011	011
		[MeterExchange]	011	011
		[MeterRemoval]	011	011
		[MeterUpdate]	011	011
		[MeterHistoryUpdate]	011	011
IF-007	Change of Energisation Status Outcome	[EnergisationStatusChange]	011	011
		[EnergisationStatusFailure]	011	011

Interface	Interface Name	Event Code(s)	Current Version (2.0.1)	Next Version (2.1.0)
IF-008	Registration Service Notification of Change of Energisation Status	[EnergisationStatusChange]	011	011
IF-009	Notification of Metering Service MTD Update to Registration	[MPANDisconnection]	011	011
		[MPANReconnection]	011	011
		[CSSDeRegistration]	011	011
IF-013	MDS Defaults Applied	[ActivePowerDefaulted]	011	011
IF-014	UTC Settlement Period Consumption Data (Warnings & Rejections)	[ActivePowerRejected]	011	011
		[ConsumptionOnDeEnergisedMPAN]	011	011
IF-015	Request Historic Consumption Replay (ADV Sites only)	[ConsumptionReplay]	011	011
IF-016	Settlement Period Consumption Data - Replay	[ActivePower]	011	011
		[ReactivePower]	011	011
		[ActivePowerRejected]	011	011
		[ActivePowerDefaulted]	011	011
		[ConsumptionRequestRejected]	011	011
IF-018	Notification of Registration Data Item Changes	[AddressChg]	011	011
		[GSPChg]	011	011
		[GDUOSTariffDChg]	011	011
		[DomPremInd]	011	011
		[EnergyDirection]	011	011
		[DCCEnrolment]	011	011
		[MUMIndicator]	011	011
IF-019	Maintain MPAN Relationships	[LinkedImportExportCase]	011	011
		[LinkedImportExportAdd]	011	011
		[LinkedImportExportRemove]	011	011
		[RelatedCase]	011	011
		[RelatedAdd]	011	011
		[RelatedRemove]	011	011
IF-020	Maintain MPAN Relationships Outcome	[LinkedImportExportCreate]	011	011
		[LinkedImportExportAdd]	011	011
		[LinkedImportExportRemove]	011	011
		[RelatedCreate]	011	011
		[RelatedAdd]	011	011
		[RelatedRemove]	011	011
IF-021	UTC Settlement Period Consumption Data	[ActivePower]	011	011
		[ReactivePower]	011	011
IF-022	LSS Period Data	[LSSPeriodData]	011	011
IF-023	LSS Totals Data	[LSSTotalsData]	011	011
IF-024	Supplier Advisory Notification to DS	[SN-Vacant]	011	011
		[SN-NoComms]	011	011
		[SN-RemoteEnabled]	011	011
		[SN-RemoteDisabled]	011	011
		[SN-SupplierAC]	011	011
		[SN-OffPeakDec]	011	011
IF-025		[ConsentGranularity]	011	011

Interface	Interface Name	Event Code(s)	Current Version (2.0.1)	Next Version (2.1.0)
	Supplier Updates to Registration	[IHInfo]	011	011
		[SMSO]	011	011
		[SSCandProfileClass]	011	011
IF-026	Registration Service Notification of Supplier Data Chg	[ConsentGranularity]	011	011
		[IHInfo]	011	011
		[SMSO]	011	011
		[SSCandProfileClass]	011	011
IF-027	Consumption Amendment Request	[ConsumptionAmendment]	011	011
IF-028	Consumption Amendment Request Response	[ConsumptionAmendment]	011	011
IF-031	Supplier Service Provider Appointment Request	[MSApp]	011	011
		[DSApp]	011	011
IF-032	Supplier Service Provider Appointment Request Response	[MSAppInitialResp]	011	011
		[DSAppInitialResp]	011	011
IF-033	Registration Service Request for Service Appointment	[MSAppSPRequest]	011	011
		[DSAppSPRequest]	011	011
IF-034	Service Provider Appointment Request Response	[MSAppSPResponse]	011	011
		[DSAppSPResponse]	011	011
		[SDS-MDRUpdate]	011	011
IF-035	Registration Service Appointment Status Notification	[MSAppAccepted]	011	011
		[MSAppRejected]	011	011
		[MSAppLapsed]	011	011
		[DSAppAccepted]	011	011
		[DSAppRejected]	011	011
		[DSAppLapsed]	011	011
		[IMS-SendMTD]	011	011
		[SDS-MDROutcome]	011	011
		[DCC-MDROutcome]	011	011
IF-036	Registration Service Notification of Service Appointment & Supporting Info	[MSAppActive]	011	011
		[DSAppActive]	011	011
IF-037	Registration Service Notification of Service De-Appointment	[MSDeApp]	011	011
		[DSDeApp]	011	011
		[MSDeAppUpdate]	011	011
		[DSDeAppUpdate]	011	011
IF-038	Customer Direct Contract Advisory	[DirectContractMSAdd]	011	011
		[DirectContractDSAdd]	011	011
		[DirectContractMSRemove]	011	011
		[DirectContractDSRemove]	011	011
IF-039	Customer Direct Contract Advisory Response	[DirectContractMSAdd]	011	011
		[DirectContractDSAdd]	011	011
		[DirectContractMSRemove]	011	011
		[DirectContractDSRemove]	011	011
IF-040	Notification of Annual Consumption	[AnnualConsumption]	011	011
IF-041	Smart / Advanced Readings	[ReadingRemv]	011	011

Interface	Interface Name	Event Code(s)	Current Version (2.0.1)	Next Version (2.1.0)
		[ReadingInstl]	011	011
		[ReadingEnergisationChg]	011	011
		[ReadingCOR]	011	011
		[ReadingOnSite]	011	011
		[ReadingCOS]	011	011
		[DSEstimate]	011	011
		[SupplierAgreedCOS]	011	011
		[ReadingOverride]	011	011
		[ReadingRemote]	011	011
IF-043	Registration Service Notification of Change of Connection Type	[ConnectionTypeChange]	011	011
IF-044	Registration Service Notification of Change of Segment	[MarkletSegmentChange]	011	011
IF-045	Registration Service Reminder Notification	[InvalidMarketSegment]	011	011
		[ConsentGranularityInvalid]	011	011
		[NoMSAppointed]	011	011
		[NoDSAppointed]	011	011
IF-047	Notification of the Publication of a Downloadable Asset	[ISD]	011	011
IF-050	EES Updates	[MPANCreation]	011	011
		[MPStatusChange]	011	011
		[GreenDeal]	011	011
IF-061	MDR Start Request	[MDRStart]	011	011
IF-062	MDR Start Request Response	[MDRStartResponse]	011	011
IF-063	MDR Stop Request	[MDRStop]	011	011
IF-064	MDR Provide Consumption	[MDRConsumption]	011	011
IF-065	MDR Request / Provide Meter Reading	[ReadingRemote]	011	011
		[MDRInstantaneous]	011	011
		[MDRTOU]	011	011
		[MDRConsumption]	011	011
REP-002	Supplier report fo DUoS - aggregated data	[DUoSSupplierAggData]	008	008
REP-002A	Embedded Network report for DUoS - aggregated data	[DUOSEmbeddedLDSOAggData]	008	008
REP-002B	LDSO report for DUoS - aggregated data	[DUoSLDSOAggData]	008	008
REP-003	BM Unit Allocated Demand Volumes to Suppliers	[BMUnitAllocatedDemand VolumesToMarketParticipants]	008	008
REP-003A	Aggregated BM Unit Allocated Demand Volumes to Suppliers	[AggregatedBMUnitAllocatedDemand Volumes]	008	008
REP-004	Supplier Deemed Take Report	[SupplierDeemedTakeReport]	008	008

Interface	Interface Name	Event Code(s)	Current Version (2.0.1)	Next Version (2.1.0)
REP-006	Aggregated Uncorrected volumes by CCC to Suppliers	[UncorrectedConsumptionAndLossesByCCCID]	008	008
REP-007	VAS exception report to Suppliers	[BMUnitDefaultsToSuppliers]	008	008
REP-008	MDS Exception Repor to LDSOs	[LDSOLLFDefaultData]	008	008
REP-009	EMRS report for Suppliers	[EMRSReportForSuppliers]	008	008

Changes

1. 73818 – Sender Unique Reference validation

This release introduces a regex check on the Sender Unique Reference (SUR) (DT-995) in the Swagger. The pattern match will ensure the SUR aligns with the definition described in the MHHS Programme E2E Solution Architecture document (MHHS-E2E001) (copied for reference):

4.2.3.1 Sender Unique Reference

The Sender Unique Reference identifier for the event/message provided by the message Sender. The algorithm for setting this is provided below:

S - Interface Id - Participant Id - Role Id - Date - Sequence (hex)/Participant Ref

Eg.

```
Interface Id      'IF-005'
Participant Id    '0123456789'
Role Id          'SUP'
Date             '2022-03-13'
Sequence/Ref     '12345687a1234567a'
Hence            'S-IF-005-0123456789-SUP-20222313-12345687a1234567a'
```

It is imperative that the first part of the Sender Reference obeys the format described above so that a message can be instantly recognised and traced, i.e. Interface Id, Participant Id, Role Id and date. The final sequence/ref has only the following restrictions:

- must use standard alphanumeric characters
- needs to guarantee uniqueness for the Sender Unique Reference
- not exceed the length of the Sender Unique Reference (200 - which includes the prefix components)

The DIP will validate the Interface Id, Participant Id and Role Id only on receipt of the message, i.e. no individual check of date or sequence, however, the whole Sender Unique Reference will be checked for duplicates.

```
654 DT-995-SenderUniqueReference:
655   description: Sender Unique Reference
656   type: string
657   minLength: 1
658   maxLength: 200
659   pattern: ^S-((IF|REP)-)?\d{3,4}-[0-9a-fA-F]{10}-[A-Z]{3,5}-\d{8}-[a-zA-Z0-9]+$
660   example: 'S-IF-005-0123456789-SUP-20222313-12345687a1234567a'
661
662 DT-995N-SenderUniqueReference:
663   description: Sender Unique Reference
664   type: string
665   nullable: true
666   minLength: 1
667   maxLength: 200
668   # addition of regex for change 001/73818
669   pattern: ^S-((IF|REP)-)?\d{3,4}-[0-9a-fA-F]{10}-[A-Z]{3,5}-\d{8}-[a-zA-Z0-9]+$
670   example: 'S-IF-005-0123456789-SUP-20222313-12345687a1234567a'
671
```

The new release with the explicit validation will mean:

'S-IF-005-0123456789-SUP-20222313-12345687a1234567a'	correct
'S-IF-005-0123456789-SUP-20222313-12345687-1234567a'	Incorrect
'SIF0050123456789SUP2022231312345687a1234567a'	incorrect

Hence, this will affect parties that have been submitting a SUR that contains hyphens in the trailing user defined component – this will be rejected as invalid as only alpha-numeric sequences are allowed. This change does not effect the EMDS.

2. 73592 – REP900 - DI-566-List-Of-MPANS-On-Site - nullable becomes false

Minor documentation change to align Swagger with the Energy Market Data Specification (EMDS).

```
1896     ... DI-566-List-Of-MPANS-On-Site:
1897     ...   description : List of MPANS on site.
1898     ...   type : string
1899     ...   minLength : 1 # DIN-1024
1900     ...   maxLength: 1400
1901     ...   # ADO item 73592 - nullable becomes false
1902     ...   nullable : false
1903     ...   example : MPAN1 MPAN2 MPAN3 MPAN4
```

3. 73582 – Retry and Back-off Interval Configuration

This change improves how the DIP handles retries during transient failures and high-load conditions.

The retry and back-off behaviour has been refined to provide more predictable and controlled retry patterns. This reduces unnecessary retry attempts during sustained incidents and helps stabilise message flow during peak periods.

No Interface changes are required for Users.

4. 74409 – Align Retry Behaviour with HTTP Response Codes

This change aligns DIP retry behaviour with the defined HTTP response handling design.

Retries will now only occur for specific transient error conditions (e.g. 408, 429, 5xx), and will not be triggered for non-retryable responses.

This improves efficiency, reduces unnecessary processing, and ensures consistency with the intended design.

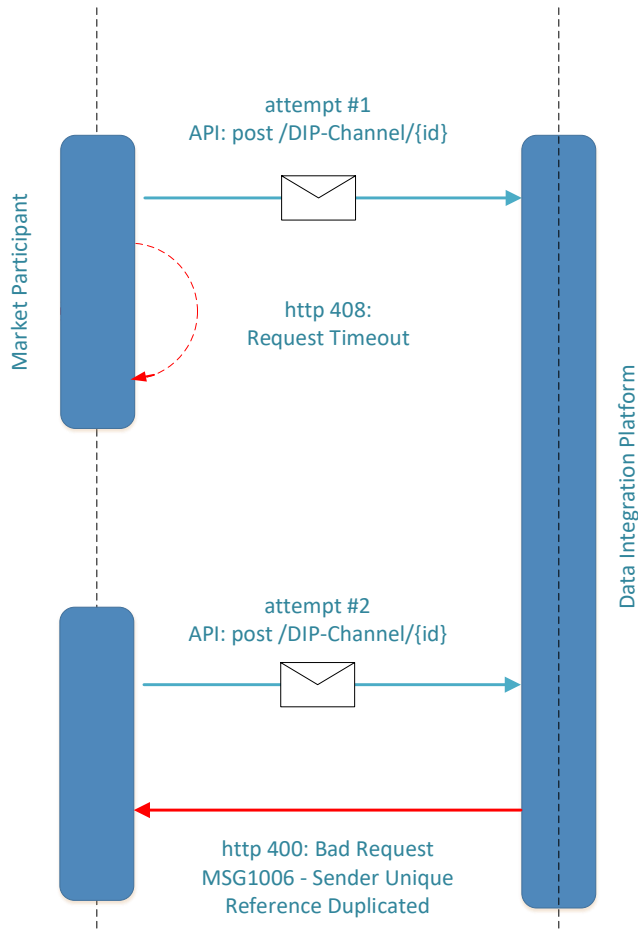
5. 73686 – Duplicate SUR Feedback / Status Message

This introduces improved handling of duplicate SUR submissions. The enhancement provides an extended status message response when a duplicate SUR is received, reducing ambiguity for Market Participants. This is intended to minimise unnecessary resubmissions during incident resolution and normal processing.

The issues being mitigated is where on message ingress:

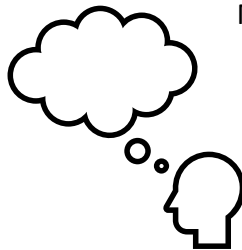
Message Ingress:

Current Situation



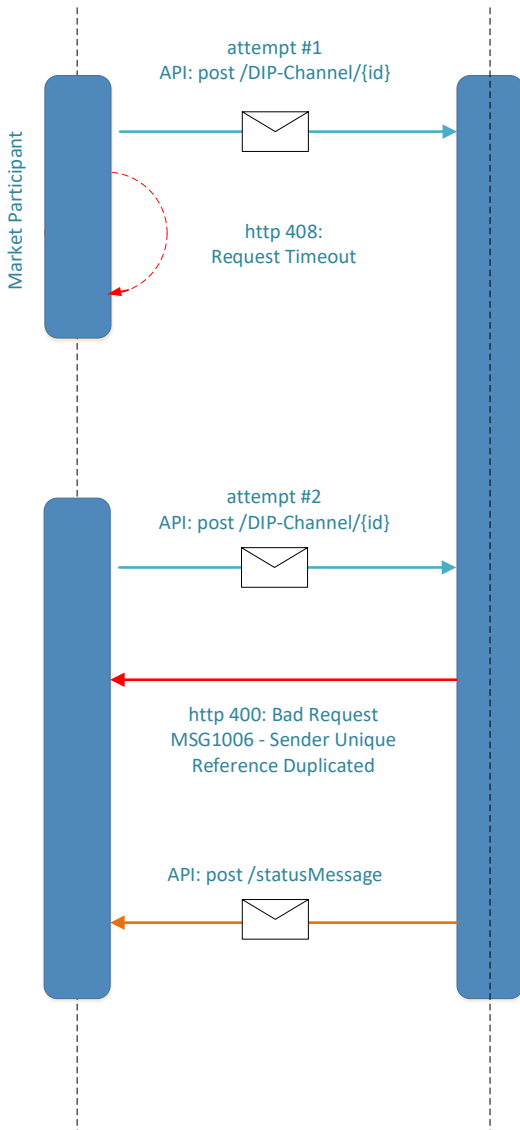
Sequence of Events

- Market Participant submits a message or a series of messages.
- When there are periods of operational stress sometimes the DIP does not provide a response hence MP times out after 10 seconds
- The Market Participant then implements back-off and retry
- resubmits the same set of message(s)
- Message received but DIP sends back a Http 400 response with a duplicate SUR message indicating the message has already been recieved



Market Participant left not knowing the status of the message that was originally sent.

Proposed Fix



Sequence of Events

- Market Participant submits a message or a series of messages.
- DIP does not provide a response hence MP times out after 10 seconds
- Market Participant implement back-off and retry
- resubmits the same set of message(s)
- DIP sends back a Http 400 response with a duplicate SUR message.
- In addition the DIP will send a Status Message (MSG1050) with the details of the original submission:

```
{
  "transactionID": "T-IF-006-0123456789-SUP-20220401-1234CC0123456789", <transaction id of the original message>
  "senderUniqueReference": "S-IF-005-0123456789-SUP-20222313-12345687a1234567a", <Sender Unique reference of the original message>
  "correlationID": "CI-20220401-1234567890123abce123092", <correlation id of the original message, if there is one>
  "sentTimestamp": "2022-03-21T19:05:00+00:00", <sent timestamp of this message>
  "senderID": "0000000000", <i.e. The DIP>
  "recipientID": "1009012345", <i.e. original message sender>
  "DIPConnectionProviderID": "<if used>",
  "message": "MSG1050 - Sender Unique Reference Duplicated",
  "help": "Message % Sender Unique reference of the original message already received"
}
```

The fix introduces a new status message whenever a duplicate message is detected. Often a duplicate message is sent as the response to the original message has been lost or was never received. Sending the status message will provide the participant system with the “lost” information, i.e. transaction Id and correlation Id, needed in order to trace the message. This will be done under the MSG1050 code.

The change does not introduce any schema updates and aligns with existing message handling behaviour.

6. 72829 – DIP Manager Announcements (Portal)

This change introduces a new announcements section within the DIP Portal.

The feature enables the publication of centralised, authoritative communications directly to participants, improving visibility of key updates without requiring formal code releases.

For information only - no participant action is required.

7. 74225 – Fix Broken Links (Portal Quick Links)

This release includes fixes to broken links within the DIP Portal Quick Links section.

The update improves usability and reduces user friction when navigating key resources.

For information only - there is no impact to participants.

Non-Market Participant Changes

8. 73221 – DLQ Alerting Enhancements

This change introduces improved alerting capabilities for messages entering the Dead Letter Queue (DLQ).

The enhancement enables earlier detection of failed message processing and reduces the risk of backlog accumulation. This supports faster operational response and improves overall incident management.

There is no participant impact.

9. 73819 – DIP Manager Portal Dashboards

This release introduces enhanced dashboards within the DIP Portal.

The dashboards provide improved visibility of operational metrics, including message flow, failures, and system performance. This supports better monitoring, assurance, and operational decision-making by the DIP Manager.

This is an internal enhancement and does not impact participants.

10. 74413 – Operational & System Reporting (Data Platform Enablement)

This change enables foundational capabilities for enhanced operational and assurance reporting.

It supports the capture and ingestion of key operational data into the reporting platform, enabling improved performance monitoring, trend analysis, and future reporting capabilities.

There is no direct impact to participants.

11. 63026 – Download Market Participant (MP) List and Roles

This release introduces the ability to download MP lists and associated roles.

The feature supports improved transparency and ease of access to participant information for governance and assurance purposes.

This is a read-only capability and has no operational impact on participants.

12. 73875 – Trace and Identify Invalid Sender ID

This change enhances validation and traceability of messages with missing or invalid Sender IDs.

It improves the ability to identify malformed or non-compliant traffic, strengthening security, auditability, and operational oversight.

There is no impact to compliant participants.

For further information please contact the DIP Manager at DIPManager@Elexon.co.uk