

## GDOP 21 - Green Deal Licensee Requests for Data Refreshes from the GDCC

### Document Control

Version	Status	Author	Release Date	Reason for release
1.0	FINAL	MRA Green Deal Project	02/07/2012	Baseline technical requirements for requests from the Green Deal Licensee to receive a refresh of relevant data relating to Green Deal Plans.
2.0	FINAL	MRA Green Deal Project	23/07/2012	Revised baseline
3.0	FINAL	Dan Cantle, Paul McDowell	15/02/2013	Updated baseline for GDCC R02.0
3.1	DRAFT	Dan Cantle	13/03/2013	Updated to include additional details for GD Provider and Green Deal Provider
3.2	DRAFT	Dan Cantle	11/04/2013	Updated to align with confirmed requirements for GDCC release R04.0, issued for comment
4.0	APPROVED	Dan Cantle	14/05/2013	Baseline requirements for release R04.0 issued as approved.
5.0	APPROVED	Andy Bard	22/11/2013	Baseline requirements for release R05.0 issued as approved.
6.0	APPROVED	Andy Bard	02/01/2014	Baseline requirements for release R06.0 issued as approved.
7.0	APPROVED	Andy Bard	23/07/2014	Baseline requirements for release R07.0 issued as approved.
8.0	APPROVED	Alex Tear	04/12/2014	Baseline requirements for release R08.0 issued as approved.
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10.0	APPROVED	Alex Tear	25/02/2016	Baseline version for release R10.0
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13.0	APPROVED	Michael Kroustis	23/02/2017	Baseline version for release R13.0
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15.0	APPROVED	Gary Bilton	22/02/2018	Baseline version for release R15.0
16.0	DRAFT	Andy Bard	03/07/2019	Draft update for GDC158 (Changes to allow a previous supplier to request the D0325 information)
16.0	DRAFT	Andy Bard	07/11/2019	Update for GDC158 (Changes to allow a previous supplier to request the D0325 information) following review by GDEG
16.0	APPROVED	Andy Bard	28/11/2019	Finalised for release.

## Document Purpose

This document provides a technical overview of the GDCC and associated functionality required to support the GDCC Green Deal Market Scenarios (GDMS) as defined within the *MRA Agreed Procedure for the Green Deal Central Charge Database* (“MAP 18”).

For the avoidance of doubt, this document is not maintained under the governance of the MRA Change Process, but rather is under the control of the MRASCo Central Administration Service (CAS) for use in the development and testing of GDCC solutions and as such forms part of the agreed GDCC User Requirements Specification for the GDCC release R16.0 baseline.

## Summary

This scenario covers (from a GDCC perspective) instances where the Green Deal Licensee identifies the need to refresh the data held in their systems in relation to a specific Green Deal Plan record associated to an MPAN where they are the current Supplier.

The refresh will provide the Green Deal Licensee with a 'snapshot' view of the data currently held on the GDCC. It will not provide for the gathering or sending of historical information.

The following DTN data flows are used within this process:

- D0325 Green Deal Plan Information for Green Deal Licensee
- D0332 Green Deal Licensee Request for Information
- D0341 GD Licensee Response to GDCC
- D0343 Response from GDCC to GD Licensee

## Market Process Scenario

The process steps within this scenario are aligned to those in the accompanying process workflow. A list of rejected codes are also provided which are cross-referenced to the market scenario

Step	Activity	Input Step	Output Step
1.1	Having identified the need to obtain a refresh of data, the Green Deal Licensee submits a request for the information via a D0332 data flow.	STARTS	1.2
1.2	<p>The D0332 data flow will contain the following:</p> <ul style="list-style-type: none"> <li>a) A unique sequential <b>Party Instruction Number</b> for the party sending the request;</li> <li>b) The <b>Green Deal MPAN Core</b>;</li> <li>c) The <b>GD Plan ID</b>; and</li> <li>d) A <b>GD Information Request Reason Code</b> of 'R' <i>request for a refresh of the latest Green Deal Plan Charge information.</i></li> </ul>	1.1	2.1

Step	Activity	Input Step	Output Step
2.1	<p>On receipt of the D0332 data flow, the GDCC will carry out checks to confirm that:</p> <ul style="list-style-type: none"> <li>a) The <b>Party Instruction Number</b> provided is unique for the sending party;</li> <li>b) The <b>GD Information Request Reason Code</b> is valid;</li> <li>c) The <b>Green Deal MPAN Core</b> and <b>GD Plan ID</b> provided are valid and a match;</li> <li>d) The Green Deal Plan record has a status of 'LIVE';</li> <li>e) Based on the information in ECOES, the Green Deal Licensee is the registered Supplier for the <b>Green Deal MPAN Core</b> at the effective date they are requesting details for; and</li> <li>f) The <b>Green Deal Licensee MPID</b> is both valid and associated with the appropriate role in GDMD for the effective date of the proposed Green Deal Plan record update's.</li> </ul>	2.1	3.1 (FAIL) / 4.1 (PASS)
3.1	Where the request fails validation, the Green Deal Licensee is informed via a D0343 data flow, containing relevant rejection reason codes.	2.1	3.2
3.2	Where a request is not accepted at this stage, the Green Deal Licensee will not receive a refresh of data and will need to determine if they wish to recommence the process with a new D0332 data flow.	3.1	ENDS
4.1	Where a valid request is received, the GDCC will send the Green Deal Licensee a D0343 data flow confirming acceptance of the request.	2.1	4.2
4.2	<p>The GDCC will also generate a D0325 Data Flow containing the requested data refresh. This transaction will include the following for each of the registration periods:</p> <ul style="list-style-type: none"> <li>a) Start and End Date of each registration period;</li> <li>b) The <b>Green Deal MPAN Core</b>;</li> <li>c) The <b>GD Plan ID</b>;</li> <li>d) A unique sequential <b>GDCC Instruction Number</b>;</li> <li>e) A <b>GDCC Instruction Type</b> of 'R' to identify that the flow relates to a request for a data fresh from the Green Deal Licensee;</li> <li>f) The estimated Green Deal Savings for Electricity, Gas and Other Fuels held on the GDCC for that period;</li> <li>g) For each Green Deal Charge Period;</li> </ul>	4.1	5.1

Step	Activity	Input Step	Output Step
	<ul style="list-style-type: none"> <li>1) The <b>GD Charge Start Date</b>;</li> <li>2) A <b>GD Charge End Date</b> greater than or equal to the <b>GD Charge Start Date</b>; and</li> <li>3) The <b>GD Daily Charge</b> to be applied to the Bill Payers account for that period as entered by the GD Provider via the related D0322 Data Flow;</li> <li>h) The <b>MPID</b> for the Green Deal Remittance Processor for the <b>GD Plan ID</b> for each of the registration periods;</li> <li>i) The effective from date for the Green Deal Remittance Processor associated with the Green Deal Plan record in the GDCC for each of the registration periods;</li> <li>j) The <b>GD Plan Actual End Date</b>;</li> <li>k) Details of the Green Deal Provider associated to the Green Deal Plan record in the GDCC, comprising:               <ul style="list-style-type: none"> <li>1) The <b>Green Deal Provider Registration Reference</b>;</li> <li>2) The <b>Green Deal Provider Name</b> as stored on the GDCC for each of the registration periods</li> <li>3) The <b>Green Deal Provider EFD</b>, being the date that the Green Deal Provider is associated with the Green Deal Plan record from in the GDCC</li> </ul> </li> <li>l) Details of the GD Provider associated with the Green Deal Plan Record in the GDCC for each of the registration periods including:               <ul style="list-style-type: none"> <li>1) The <b>GD Provider MPID</b>;</li> <li>2) The <b>Market Participant Name</b> of the GD Provider as held in the relevant version of MDD;</li> <li>3) The <b>GD Provider EFD</b>, being the date from which the GD Provider is associated with the Green Deal Plan record in the GDCC.</li> </ul> </li> </ul>		
5.1	<p>On receipt of the D0343 and D0325 data flows, the Green Deal Licensee will update their systems accordingly.</p> <p>A response to the GDCC will also be generated as set out in step 6.1.</p>	4.2	6.1
6.1	<p>The Green Deal Licensee will generate a D0341 data flow to confirm receipt of the data refresh via the D0325 data flow.</p>	5.1 or 8.1	6.2

Step	Activity	Input Step	Output Step
6.2	On receipt of the D0341 data flow, the GDCC will validate that it relates to a valid <b>GDCC Instruction Number</b> for a D0325 data flow issued to the sending Green Deal Licensee.  Where this validation is passed, the process will continue, as set out in step 6.3, otherwise a report is generated to the MRASCo Central Administration Service (CAS) as per step 8.1.	6.1	6.3 (PASS)/ 7.1 (FAIL)
6.3	Where the incoming D0341 data flow has passed validation, the GDCC will update internal records accordingly.	6.2	ENDS
7.1	Where an incoming D0341 data flow from a Green Deal Licensee cannot be associated to a valid <b>GDCC Instruction Number</b> to allow the process to continue, the GDCC will generate a report to the CAS for investigation	6.2	7.2
7.2	CAS will contact the sender of the D0341 data flow in order to request investigation and resolution of issues.	7.1	8.1
8.1	Once contacted by CAS, the Green Deal Licensee will investigate and resolve issues with the data sent in the D0341 data flow, and generate a revised D0341 data flow as set out in step 6.1 of this process	7.2	6.1

## GDCC and Party Response Codes used in the Scenario

Step	Event	Flow	Response Code Generated	Flow
2.1	Not all the required data fields are populated	D0332	301 Not all mandatory data provided	D0343
	The MPAN provided is not found on the GDCC		317 Green Deal MPAN Core not found	
	The GD Plan Id provided is not found on the GDCC		319 GD Plan ID invalid	
	The Green Deal Plan record is not at a status of 'LIVE'		320 Green Deal Plan not at correct status	
	The reason code provided is not in the valid set		327 Invalid reason code provided	
	The MPAN and GD Plan ID are found, but are not associated to each other		333 MPAN Core not associated with the GD Plan ID presented	
	The Green Deal Licensee submitting the request is not the current Supplier at the date of the request.		334 Green Deal Licensee not the registered Supplier for the MPAN Core	
	The Party instruction Number is a duplicate of a value already provided by the sender		350 Invalid Party Instruction Number	
	Additional data items and/or Groups populated in the data flow		352 Unexpected data for Reason Code Provided	
	The Combination of MPID and Market Participant Id for the sender is not valid in GDMD for the EFD of the incoming transaction		367 Combination of MPID and Market Role Id not valid in GDMD for Sender for EFD	
2.1	The Supplier submitting the request must be the Licensee at one or more periods in the Supplier History for the requested Green Deal Plan Id or it will return error:	D0332	334 Green Deal Licensee not the registered Supplier for the MPAN Core	D0343
4.1	Valid request for information	D0332	101 Request processed successfully	D0343
6.1	Information received and processed	D0325	101 Request processed successfully	D0341



## Market Process Scenario Workflow

### GDOP 21 - Green Deal Licensee requests for data refreshes from the GDCC

