

GDOP 08 – GD Provider Updates to Green Deal Charge Details

Document Control

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1.0	FINAL	MRA Green Deal Project	02/07/2012	Baseline technical requirements for the updating of Green Deal Charge related data from the Green Deal Provider to the GDCC and associated responses
2.0	FINAL	MRA Green Deal Project	23/07/2012	Revised baseline
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Document Purpose

GDOP 08 - GD Provider Updates To Green Deal Charge Details V12.0 APPROVED

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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 R12.0 baseline.

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Summary

This scenario covers (from a GDCC perspective) the process for the notification of amended Green Deal Charge related information by the GD Provider to the GDCC where either:

- a) The GD Provider has identified the need to amend relevant data relating to a Green Deal Plan record with a status of 'LIVE'; or
- b) The Green Deal Provider determines that a Green Deal Plan record requires updating to a status of 'COMPLETED' whilst at a status of either 'PENDING' or 'LIVE'.

As such, it includes;

- A request from the GDCC to the GD Provider to update the Actual End Date of a Green Deal Plan;
- A specific request from the GD Provider to update Green Deal Charge record details for specific Green Deal Charge Periods on the GDCC;
- Requests from the GD Provider to update the Green Deal Remittance Processor associated to the Green Deal Plan record in the GDCC;
- Validation of requests from GD Providers by the GDCC, and subsequent updates to records where it is valid;
- Updates to the relevant EPC register; and
- GDCC responses to the GD Provider for both successful and unsuccessful data update requests.

The following pre-requisites apply to the use of this process to enter Green Deal Charge details updates:

- The Green Deal Plan record is at a status of 'PENDING'¹; or 'LIVE' in the GDCC; and
- The GD Provider has obtained all necessary information required to populate the data flows involved in the process.

¹ The Green Deal Plan may be at a status of 'PENDING' where the GDOP 05 *Notification of Pending Green Deal Charges to the Green Deal Licensee process* or the GDOP 15 *Distribution Business requests to Amend Green Deal Plans process* are being followed as inputs to this process.

NOTE: With the exception of updating the status of a Green Deal Plan record from 'PENDING' to 'COMPLETED', any updates to Green Deal Charge data required whilst the Green Deal Plan Record has a status of 'PENDING' should be made under the GDOP 05 *Notification of Pending Green Deal Charges to the Green Deal Licensee* process.

Updates to GD Charge Periods

When updating GD Charge Periods under this process, the GD Provider must always ensure that:

- a) The earliest **GD Charge Start Date** is:
 - i. Equal to or greater than the earliest GD Charge Start Date previously entered under the GDOP 05 *Notification of Pending Green Deal Charges to the Green Deal Licensee* process; and
 - ii. at least twelve (12) Working Days later than the GDCC Deemed Received Date;
- b) All updates will result in contiguous charge periods in the GDCC; and
- c) The latest **GD Charge End Date** must be equal or less than the **GD Plan Actual End Date** held on the GDCC or provided on the same update request.

Where the Green Deal Plan is at a status of 'LIVE', the Green Deal Licensee will be sent details of updates to Green Deal Charge details in accordance with the GDOP 24 *GDCC Updates to the Green Deal Licensee* process.

Under that process any updates *except* Green Deal Charge Periods with a **GD Charge Start Date** greater than thirty (30) Working Days from the date the update is received are sent to the Green Deal Licensee on completion of a successful update from the GD Provider,

Where the **GD Charge Start Date** is greater than thirty (30) Working Days from the date the update is accepted, the Green Deal Licensee is notified of the update when that date is reached, again in line with the GDOP 24 *GDCC Updates to the Green Deal Licensee* process

The following DTN data flows are used within this process:

- D0320 GD Provider response to GDCC
- D0322 GD Provider Update to Charging Information

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- D0337 Green Deal End Date Amendment Request to GD Provider
- D0344 Response from GDCC to GD Provider

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Market Process Scenario

The process steps within this scenario are aligned to those in the accompanying process workflow. A separate event log sets out the timings and interactions for this market scenario. A list of reject codes is also provided cross-referenced to the market scenario.

Step	Activity	Input Step	Output Step
1.1	Where, under the GDOP 15 <i>Distribution Business Requests to Amend Green Deal Plans</i> process, the GDCC receives a request from a Distribution Business for a GD Plan Actual End Date to be amended, the GDCC will generate a corresponding request to the GD Provider	START	1.2
1.2	The request to the GD Provider will be made via a D0337 data flow containing: <ul style="list-style-type: none"> a) A unique sequential GDCC Instruction Number; b) The relevant GD Plan ID; c) The Requested New GD Plan End Date, which will be for a date at least three (3) Working Days from the date the data flow is generated; and d) A Requested New GD Plan End Date Reason Code, of either 'R', 'P' or 'X'. 	1.1	2.1

Step	Activity	Input Step	Output Step
2.1	<p>The GD Provider will need to determine the appropriate data to include in any update to the GDCC based on the following:</p> <p>Where the GD Provider either:</p> <ul style="list-style-type: none"> a) Receives a D0337 data flow requesting an amendment to the GD Plan Actual End Date; or b) Determines that they do not wish to progress with the Green Deal Plan. <p>And the Green Deal Plan record has a status of 'PENDING', they should send relevant information to the GDCC as set out in step 3.1 of this process.</p> <p>Where the GD Provider either:</p> <ul style="list-style-type: none"> a) Receives a D0337 data flow requesting an amendment to the GD Plan Actual End Date; b) Identifies a need to update one or more of the data items relating to Green Deal charges as contained in the D0322; or c) Identifies a need to update or add information relating to the charges to be applied for one or more periods in the life time of the Green Deal Plan. <p>and the relevant Green Deal Plan record is at a status of 'LIVE', they should send relevant information to the GDCC as set out in step 4.1 of this process.</p>	STARTS 1.2 OR 8.2	3.1 (GD PLAN RECORD STATUS IS 'PENDING') OR 4.1 (GD PLAN RECORD STATUS IS 'LIVE')

Step	Activity	Input Step	Output Step
3.1	<p>Where the GD Provider determines a need to update the status of a Green Deal Plan record from 'PENDING' to 'COMPLETED' they should send relevant information to the GDCC via the D0322 data flow. This data flow should contain the following:</p> <ul style="list-style-type: none"> a) The GD Plan ID; b) A unique sequential Party Instruction Number; c) The GD Provider Update Reason Code set to 'E'; and d) A GD Plan Actual End Date at least two (2) Working Days greater than the date the D0322 is received by the GDCC. <p>With the exception of updating the status of a Green Deal Plan record from 'PENDING' to 'COMPLETED', any updates to Green Deal Charge data required whilst the Green Deal Plan Record has a status of 'PENDING' should be made under the GDOP 05 <i>Notification of Pending Green Deal Charges to the Green Deal Licensee</i> process.</p>	2.1	5.1

<p>4.1</p>	<p>Where the GD Provider determines a need to update Green Deal charge related data for a Green Deal Plan record with a status of 'LIVE', they should send relevant information to the GDCC via the D0322 data flow. This data flow should contain the following:</p> <ul style="list-style-type: none"> a) The GD Plan ID; b) A unique sequential Party Instruction Number; c) The GD Provider Update Reason Code set to 'U'; d) For each Green Deal Charge Period to be amended or added: <ul style="list-style-type: none"> 1) A GD Charge Start Date for a date at least twelve (12) Working Days greater than the date the D0322 is received by the GDCC; 2) A GD Charge End Date equal to or greater than the GD Charge Start Date and less than or equal to the GD Plan Actual End Date provided or already present in the GDCC; and 3) The GD Daily Charge to be applied to the Bill Payers account. e) Where an amendment is required, a GD Plan Actual End Date at least five (5) Working Days greater than the date the D0322 is received by the GDCC; and f) For any Green Deal Remittance Processor details being updated: <ul style="list-style-type: none"> 1) The GD Remittance Processor MPID of the new Green Deal Remittance Processor; and 2) The GD Remittance Processor EFD for the new Green Deal Remittance Processor. <p>If the D0322 includes an update to the GD Remittance Processor, the GD Remittance Processor EFD must be at least five (5) Working Days after the GDCC Deemed Received Date for the notification to the GDCC.</p> <p>No Green Deal Charge Periods should be submitted that would result in a gap between resulting new or amended Green Deal Charge Periods in the GDCC.</p> <p>Any charges submitted under this process must not have a GD Charge End Date greater than the GD Plan Actual End Date associated to the Green Deal Plan record.</p> <p>Any update to the GD Remittance Processor MPID must relate to one that is valid and already or due to be associated to the GD Provider in the Green Deal Market Data (GDMD).</p>	<p>2.1</p>	<p>5.1</p>
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Step	Activity	Input Step	Output Step
5.1	The GDCC processes the incoming D0322 data flow and updates logs and records accordingly.	3.1 OR 4.1	5.2
5.2	<p>The GDCC will carry out basic internal checks against the data received, these will determine that:</p> <p>For all requests:</p> <ul style="list-style-type: none"> a) All mandatory fields are present; b) All data provided is within the agreed parameters and in the expected formats; c) The Party Instruction Number is unique to the transaction for that party; d) The GD Plan ID is recognised; e) The party sending the request is either: <ul style="list-style-type: none"> 1) the GD Provider associated to the Green Deal Plan in the GDCC; or 2) a GD Provider with a future association to the Green Deal Plan in the GDCC; and f) The GD Provider MPID is both valid and associated with the appropriate role in GDMD for the effective date of the proposed Green Deal Plan record update(s) g) Where the party sending the request is a GD Provider with a future association to the Green Deal Plan in the GDCC: <ul style="list-style-type: none"> 1) The GD Provider Reason Code is set to 'U'; 2) Only Groups 98H and 01H are populated; and 3) The GD Remittance Processor EFD is equal to or greater than the GD Plan Transfer Date. <p>For requests where the GD Provider Update Reason Code is set to 'U':</p> <ul style="list-style-type: none"> a) The Green Deal Plan record has a status of 'LIVE'; b) For each Green Deal Charge Period to be amended or added: <ul style="list-style-type: none"> 1) A GD Charge Start Date which is: <ul style="list-style-type: none"> i. At least twelve (12) Working Days in the future; ii. Equal to or greater than the earliest GD Charge Start Date previously entered; and 	5.1	6.1 (PASS)/ 7.1 (FAIL)

Step	Activity	Input Step	Output Step
	<p>iii. Equal to or greater than 1st March 2013</p> <p>2) A GD Charge End Date equal to or greater than the GD Charge Start Date and less than or equal to the GD Plan Actual End Date held in the GDCC or submitted in the data flow; and</p> <p>3) The GD Daily Charge to be applied to the Bill Payers account.</p> <p>c) Any Charges entered for the first year of charging meet the 'Golden Rule' i.e. fuel savings for the first year are not less than payments to be made;</p> <p>d) Any revised GD Plan Actual End Date submitted is different to that already held and no earlier than the fourth (4th) Working Day after the notification was received;</p> <p>e) Any GD Remittance Processer update submitted relates to an MPID which is:</p> <ol style="list-style-type: none"> 1) Present in GDMD with an EFD equal to or less than that provided; and 2) Is associated to the GD Provider sending the update in GDMD with an EFD equal to or less than the requested EFD. <p>f) Any GD Remittance Processor EFD is at least five (5) Working Days after the GDCC Deemed Received Date for the notification to the GDCC</p> <p>For requests where the GD Provider Update Reason Code is set to 'E':</p> <ol style="list-style-type: none"> a) The Green Deal Plan record has a status of 'PENDING'; b) The revised GD Plan Actual End Date submitted is different to that already held and no earlier than the fourth (4th) Working Day after the notification was received; and c) Only the GD Plan Actual End Date is being updated. 		

Step	Activity	Input Step	Output Step
6.1	Where the request passes validation at step 5.2, the GDCC will carry out checks against ECOES to confirm that the associated Green Deal MPAN: <ul style="list-style-type: none"> a) Is not associated to an export supply (which is derived in ECOES by the Line Loss Factor Class applied in MPAS); b) Has a status of 'Traded'; c) Is registered to an Electricity Supplier who is a Green Deal Licensee; d) Is not 'in flight' between Suppliers (that is, where a Registration Request has been received and accepted within the previous ten (10) Working Days); and e) Does not have a future registration to a Supplier who is not a Green Deal Licensee 	5.2	7.1 (FAIL)/ 10.1 (PASS)
7.1	Where exceptions are captured at either step 5.1 or step 6.1 of the process, the GDCC will record these and generate a D0344 data flow to the GD Provider containing details of all exceptions captured at the relevant process step.	5.1 OR 6.1	8.1
8.1	Where the data fails validation and an exception is reported, the GD Provider will need to determine whether they wish to submit revised data under this process. Where they do wish to submit revised data, they will determine the appropriate information to submit as set out in step 2.1.	7.1	2.1 (SUBMIT REVISED DATA OR 9.1 (NO SUBMISSION OF REVISED DATA)

Step	Activity	Input Step	Output Step
9.1	<p>If the GD Provider decides not to submit revised data, they will need to determine if the D0344 data flow received relates to a D0322 data flow triggered as a result of an incoming request from the GDCC as set out in step 1.2 of this process.</p> <p>Where a further response to the GDCC via a D0320 data flow is required, the GD Provider will generate this as per step 18.1.</p>	8.1	ENDS (NO RESPONSE REQUIRED) OR 18.1 (RESPONSE REQUIRED)
10.1	<p>Where the request passes validation, the application will determine whether an update to the associated Green Deal MPAN record in MPAS is required. Such an update will be issued where:</p> <ul style="list-style-type: none"> a) Where no effective dates are set against the Green Deal MPAN Core in MPAS for any Green Deal Plan(s); or b) Where the GD Plan Proposed End Date submitted is greater than the existing GD MPAN ETD in MPAS for the Green Deal MPAN. 	6.1	11.1 (MPAS UPDATE REQUIRED) OR 13.1 (NO MPAS UPDATE REQUIRED)
11.1	The GDCC will generate a D0324 data flow as per the GDOP 04 <i>Updates to Green Deal Effective Dates in MPAS</i> process in order to update effective dates for the associated Green Deal MPAN as required.	10.1	12.1
12.1	On completion of the GDOP 04 <i>Updates to Green Deal Effective Dates in MPAS</i> process, the MPAS will return a D0340 data flow either accepting or rejecting the update request.	11.1	12.2

Step	Activity	Input Step	Output Step
12.2	<p>The GDCC will record the receipt of the D0340 data flow and determine the actions required on its contents.</p> <p>Where the update has been rejected, the GD Provider will be informed of the reasons for the rejection via a D0344 data flow as at step 7.1, and the record in the GDCC will not be updated.</p> <p>Where the update has been accepted, the Green Deal Plan record will be updated as set out in step 13.1</p>	12.1	7.1 (MPAS UPDATE REJECTED) OR 13.1 (MPAS UPDATE ACCEPTED)
13.1	<p>Where any requested MPAS update has been successfully applied, or no update is required, the Green Deal Plan record in the GDCC will be updated with new and changed data as required.</p> <p>Once records have been updated accordingly, the GDCC will determine if any update to the relevant EPC Register is required.</p>	10.1 Or 12.2	14.1 (UPDATE TO EPC REGISTER) OR 15.1 (NO UPDATE TO EPC REGISTER)
14.1	Where appropriate, the GDCC will generate updates to the relevant EPC register in relation to changes to Green Deal Charge Periods and/or the GD Actual Plan End Date .	13.1	15.1
15.1	<p>Once any required update to the EPC Register has been generated, the GDCC will determine if an update to the Green Deal Licensee is required, this will be needed where the Green Deal Plan record is at a status of 'LIVE'.</p> <p>Any required updates to the Green Deal Licensee will be made in accordance with the GDOP 24 <i>GDCC Updates to the Green Deal Licensee</i> process</p>	13.1 OR 14.1	16.1

Step	Activity	Input Step	Output Step
16.1	<p>Once the Green Deal Plan record has been updated, the GDCC will issue a D0344 data flow to the GD Provider confirming that the Green Deal Charge related information has been updated in the GDCC.</p> <p>The Green Deal Licensee will be informed of any relevant changes to Green Deal Charge information and the resultant need to update their systems via the GDOP 24 <i>GDCC Updates to the Green Deal Licensee</i> process.</p>	15.1	17.1
17.1	<p>On receipt of the D0344 data flow, the GD Provider, will need to determine whether the D0344 data flow received relates to a D0322 data flow triggered as a result of an incoming request from the GDCC as set out in step 1.2 of this process.</p> <p>Where a further response to the GDCC via a D0320 data flow is required, the GD Provider will generate this as per step 18.1 of this process.</p> <p>Where no further response is required the GD Provider may update their records accordingly.</p>	16.1	18.1 (UPDATE REQUIRED) OR ENDS (NO UPDATE REQUIRED)
18.1	<p>Where required and in response to a D0337 data flow received from the GDCC, the GD Provider will generate a D0320 data flow containing the following:</p> <ul style="list-style-type: none"> a) The GDCC Instruction Number from the incoming transaction; b) The relevant GD Plan ID; and c) The appropriate GD Party Response Code to confirm that either <ul style="list-style-type: none"> i. the GD Plan Actual End Date has been amended; or ii. the request from the Distribution Business has been rejected, and why. 	9.1 OR 17.1	18.2
18.2	<p>On receipt of the D0320 data flow, the GDCC will validate that it relates to a valid GDCC Instruction Number for a data flow issued to the sending GD Provider</p> <p>Where this validation is passed, the process will continue as set out in step 21.1, otherwise a report is generated to the MRASCo Central Administration Service (CAS) as per step 19.1.</p>	18.1	21.1 (PASS) OR 19.1 (FAIL)
19.1	<p>Where an incoming D0320 data flow from a GD Provider cannot be associated to a valid GDCC Instruction Number to allow the process to continue, the GDCC will generate a report to the CAS for investigation.</p>	18.2	19.2

Step	Activity	Input Step	Output Step
19.2	CAS will contact the sender of the D0320 data flow in order to request investigation and resolution of issues.	19.1	20.1
20.1	Once contacted by CAS, the GD Provider will investigate and resolve issues with the data sent in the D0337 data flow, and generate a revised D0320 data flow containing appropriate information.	19.2	18.1
21.1	Where a notification is received via a valid D0320 data flow at this stage, the GDCC will log the responses against the GDCC Instruction Number as appropriate, update the datasets as required, and generate a response to the relevant Distribution Business under the GDOP 15 <i>Distribution Business Requests to Amend Green Deal Plans</i> process.	20.1	ENDS

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GDCC and Party Response Codes used in the Scenario

Step	Event	Flow	Response Code Generated	Flow
5.2	Not all Mandatory fields are populated	D0322	301 Not all mandatory data provided	D0344
	The GD Plan Id is not recognised		319 GD Plan ID invalid	
	The Green Deal Plan record is not at a 'PENDING' or 'LIVE' status.		320 Green Deal Plan not at correct status	
	D0322 sent with a code other than 'U' where the Green Deal Plan record is at a status of 'LIVE'		327 Invalid reason code provided	
	The reason code provided is not in the valid set		327 Invalid reason code provided	
	D0322 sent with a reason code other than 'E' where the Green Deal Plan record is at a status of 'PENDING'		327 Invalid reason code provided	
	The MPID provided for the Remittance Processor is not found in the GDMD, or has an EFD in GDMD greater than that provided		328 Invalid identifiers for Green Deal Remittance Processor for EFD	
	The MPID provided for the Remittance Processor is not associated to the GD Provider for the EFD submitted		358 Remittance Processor not associated with Green Deal Provider for EFD	
	The daily charge is too high according to any agreed limits		329 Daily Charge Amount outside permitted parameters	
	The sum of the Green Deal charges in the first year breach the Golden Rule		329 Daily Charge Amount outside permitted parameters	
	The EFD for a Green Deal Charge Period is not sequential to an existing step		330 Daily Charge EFD outside permitted parameters	
	The EFD for a Green Deal Charge Period is earlier than 1 st March 2013		330 Daily Charge EFD outside permitted parameters	
	The ETD is less than the EFD for the Green Deal Charge Period provided		331 Daily Charge ETD outside permitted parameters	
	The ETD date for one or more Green Deal Charge Periods is greater than the actual plan end date held on the database		331 Daily Charge ETD outside permitted parameters	

Step	Event	Flow	Response Code Generated	Flow
	The party sending the request is not the GD Provider associated to the Green Deal Plan in the GDCC		339 Green Deal Plan record not associated to GD Provider	
	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	
	The Party Instruction Number provided is a duplicate for the party sending the flow		350 Invalid Party Instruction Number	
	D0322 with a reason code of "E" found to contain unexpected groups. D0322 with a reason code of "E" should only contain groups "89G" and "00H"		352 Unexpected data for Reason Code provided	
	GD Remittance Processor EFD on D0322 is less than five (5) Working Days after the GDCC Deemed Received Date for the Data Flow		373 GD Remittance Processor EFD outside permitted parameters	
6.1	LLFC is for an export meter according to ECOES	D0322	312 MPAN Core LLFC not valid for import meter	D0344
	MPAN not 'traded' (i.e. not live and registered to a Supplier)		341 MPAN Core not at correct registration status	
	Supplier for MPAN is not a Green Deal Licensee in GDCC		314 Supplier not Green Deal Licensee	
	The MPAN is 'in-flight' between Suppliers		341 MPAN Core not at correct registration status	
	A future registration exists to a Supplier who is not a Green Deal Licensee		361 Future Registration to Supplier who is not Green Deal Licensee	
16.1	Request processed successfully and Green Deal Plan data updated	D0322	101 Request processed successfully	D0344

Market Process Scenario Workflow



