

GDOP 16 –Requests to Change the MPAN Core Associated with a Green Deal Plan Record

Document Control

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1.0	FINAL	MRA Green Deal Project	02/07/2012	Baseline technical requirements for requests from the Distribution Business to change Green Deal MPAN Cores associated with Green Deal Plans.
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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 R12.0 baseline.

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Summary

This scenario covers (from a GDCC perspective) the process by which a Green Deal Licensee acting either for themselves or as a result of a Distribution Business request generated from the GDCC may request a change to the MPAN Core associated with one or more Green Deal Plan records in the GDCC and as such includes the following:

- A specific request from the Distribution Business to amend the MPAN associated with a Green Deal Plan record in the GDCC as received via the GDCC;
- Green Deal Licensees requests for a change to the Green Deal MPAN Core associated to a Green Deal Plan record;
- Validation of the request by the GDCC; and
- GDCC responses to the Distribution Business and Green Deal Licensees, for both successful and unsuccessful data update requests.

This process will be followed where the Distribution Business sends a D0327 containing a Requested new GD Plan End Date Reason Code of 'E' or 'S' via the related GDOP 15 *Distribution Business Requests to Amend Green Deal Plans* process.

It will also be followed where the Green Deal Licensee initiates the request to amend the Green Deal MPAN core associated to a Green Deal Plan record directly.

The following pre-requisites apply to the use of this process:

- The Green Deal Plan record is at a status of 'PENDING' or 'LIVE' in the GDCC.

The following DTN data flows are used within this process:

- D0325 Green Deal Plan Information for Green Deal Licensee
- D0334 Request for New Green Deal MPAN Core
- D0335 New Green Deal Plan MPAN Core
- D0341 GD Licensee Response to GDCC
- D0343 Response from GDCC to GD Licensee

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Market Process Scenario

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

Step	Activity	Input Step	Output Step
1.1	Where a valid request to amend the Green Deal MPAN Core has been received from a Distribution Business under the GDOP 15 <i>Distribution Business Requests to Amend Green Deal Plans</i> process, the GDCC will generate a D0334 data flow to the Green Deal Licensee associated to the relevant existing Green Deal MPAN Core in ECOES.	STARTS	1.2
1.2	The D0334 data flow will include: <ul style="list-style-type: none"> a) A unique GDCC Instruction Number; b) The existing Green Deal MPAN Core that a replacement is being requested for c) The reason for the request as indicated by a reason code; and d) A requested New GD MPAN Core EFD. 	1.1	2.1
2.1	Where a request has been received via the D0334 data flow the Green Deal Licensee will carry out internal validation to confirm that a suitable alternative MPAN can be allocated as the Green Deal MPAN Core for the affected Green Deal Plan(s).	1.2	2.2
2.2	The Green Deal Licensee will either progress the request or create an exception to the GDCC dependant on the outcome of their internal checks.	2.1	3.1 (FAIL) / 6.1 (PASS)
3.1	Where the Green Deal Licensee is unable to progress the request to generate a new Green Deal MPAN Core , they will generate a D0341 data flow to inform the GDCC of the reasons for the rejection.	2.2	3.2

Step	Activity	Input Step	Output Step
3.2	On receipt of the D0341 data flow, the GDCC will validate that it relates to a valid GDCC Instruction Number for a dataflow issued to the sending Green Deal Licensee. Where this validation is passed, the GDCC will generate an exception to the Distribution Business, as set out in accordance with the GDOP 15 <i>Distribution Business Requests to Amend Green Deal Plans</i> process, otherwise a report is generated to the MRASCo Central Administration Service (CAS) as per step 4.1.	3.1	4.1 (FAIL) OR As per GDOP 15 (PASS)
4.1	Where an incoming D0341 data flow from a Green Deal Licensee 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	3.2	4.2
4.2	CAS will contact the sender of the D0341 data flow in order to request investigation and resolution of issues.	4.1	5.1
5.1	Once contacted by CAS, the Green Deal Licensee will investigate and resolve issues with the data sent in the D0341 data flow, and generate new D0341 data flow containing exceptions as appropriate, or generate a new D0335 data flow as appropriate.	4.2	3.1(GENERATE REJECTION USING NEW D0341) OR 6.1(REQUEST MPAN CORE AMENDMENT USING D0335)

Step	Activity	Input Step	Output Step
6.1	<p>Where an alternative Green Deal MPAN Core has been identified by the Green Deal Licensee, they will create a D0335 data flow to the GDCC.</p> <p>The D0335 data flow will include:</p> <ul style="list-style-type: none"> a) Either: <ul style="list-style-type: none"> 1. Where responding to an incoming D0334 data flow The GDCC Instruction Number from that request; Or 2. Where initiating a request, a valid sequential Party Instruction Number; b) The New GD MPAN Core; c) The New GD MPAN Core EFD; and d) A New GD MPAN Core Reason Request Code. <p>NOTE: Only the GDCC Instruction Number <u>OR</u> the Party Instruction Number should be populated. The data flow will fail GDCC validation if neither or both are populated.</p>	STARTS, 2.2 OR 5.1	7.1

Step	Activity	Input Step	Output Step
7.1	<p>On receipt of the D0335 data flow, the GDCC will validate that:</p> <ul style="list-style-type: none"> a) All mandated data is provided; b) Either the Party Instruction Number or the GDCC Instruction Number (but not both) are populated; c) Where populated, the GDCC Instruction Number is valid and relates to a data flow issued to the sending Green Deal Licensee; and d) The Green Deal Licensee 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). <p>The outcome of this validation will be one of the following: Where this validation is passed, the GDCC will carry out validation checks as set out in step 7.2. Where both the Party Instruction Number or the GDCC Instruction Number, are populated <i>and</i> the GDCC recognises the GDCC Instruction Number as being valid, a response will be generated to the sender of the data flow rejecting the update; or In all other cases, a report is generated to the CAS as per step 4.1</p>	6.1	4.1 (FAIL) OR 7.2 (PASS)

Step	Activity	Input Step	Output Step
7.2	<p>Where the incoming D0335 data flow relates to a valid GDCC Instruction Number or Party Instruction Number, the GDCC will carry out validation checks to ensure that:</p> <ul style="list-style-type: none"> a) At least one Green Deal Plan record associated to the original Green Deal MPAN Core provided is at a status of 'PENDING' or 'LIVE'; b) There is no Erroneous Registration associated with the current GD MPAN Core; c) A valid New GD MPAN Core Reason Request Code has been provided; d) The New GD MPAN Core is in a valid format; and e) The New GD MPAN Core EFD is at least three (3) Working days later than the GDCC Deemed received date of the incoming D0335. <p>Where this validation is successful, the GDCC will carry out checks against ECOES as set out in step 8.1. Where the validation fails, the GDCC will generate responses as set out in step 9.1.</p>	7.1	8.1 (PASS) OR 9.1 (FAIL)
8.1	<p>Where the request passes validation at step 7.2, the GDCC will carry out checks against ECOES to confirm that the requested New GD MPAN Core:</p> <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 'Traded' status; c) Is registered to an Electricity Supplier who is a Green Deal Licensee; and 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. e) Does not have a future registration to a Supplier who is not a Green Deal Licensee. 	7.2	8.2
8.2	<p>Where the requested New GD MPAN Core is not in the correct state in ECOES to allow the process to continue, the GDCC will generate an exception as set out in step 9.1 of this process.</p> <p>Where the validation is successful, the GDCC will generate requests to MPAS as set out in step 11.1 of this process.</p>	8.1 OR 12.1	9.1 (FAIL) / 11.1 (PASS)

Step	Activity	Input Step	Output Step
9.1	<p>Where the request fails validation at step 7.2 or 8.1, the GDCC will generate a response containing all relevant GDCC Response Codes for the step at which validation failed.</p> <p>Where the validation failure relates to a request originating from a Distribution Business, the GDCC will generate an appropriate response as set out in the GDOP 15 <i>Distribution Business requests to amend Green Deal Plans</i> process.</p> <p>Where the request originated from a Green Deal Licensee a response will be generated to the relevant party as set out in step 10.1.</p>	7.2 OR 8.1	10.1 OR GDOP 15
10.1	Where the request originated from the Green Deal Licensee, a D0343 data flow containing all relevant response codes will be generated to the sender by the GDCC.	9.1	10.1
10.2	Where a D0343 data flow is received by the Green Deal Licensee containing GDCC reason codes indicating that the request was rejected, records in the GDCC will not be updated, and no further update will be provided to the Green Deal Licensee.	10.1	ENDS

Step	Activity	Input Step	Output Step
11.1	<p>At this point, the GDCC will generate two requests to MPAS via the GDOP 04 <i>Updates to Green Deal Effective Dates in MPAS</i> process.</p> <p>For the 'old' Green Deal MPAN Core, a request will be generated to amend the GD MPAN ETD to the later of:</p> <ul style="list-style-type: none"> a) One (1) day before the New GD MPAN Core EFD requested on the relevant D0335 data flow received from the Green Deal Licensee; or b) Two (2) Working Days after the date that the request was generated from the GDCC. <p>For the requested New GD MPAN Core, the GDCC will generate a GD MPAN EFD of one (1) day after the GD MPAN EFD requested in respect of the 'old' Green Deal MPAN Core, unless a GD MPAN EFD already exists against the New GD MPAN Core in MPAS, in which case no GD MPAN EFD will be generated.</p> <p>The GD MPAN ETD for the New GD MPAN Core will be the greatest GD Plan Actual End Date for any Green Deal Plan at the relevant status and associated to the 'old' Green Deal MPAN Core in the GDCC.</p>	8.2	12.1
12.1	<p>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 updates request.</p>	11.1	12.2
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 failed, the GDCC will process appropriate responses as set out in step 9.1</p> <p>Where the update to MPAS has been accepted, the process will continue as set out in step 13.1</p>	12.1	9.1 (FAIL) OR 13.1 (PASS)

Step	Activity	Input Step	Output Step
13.1	<p>Where the MPAS update has been accepted, the GDCC will determine whether the request was generated from the Green Deal Licensee or via the GDOP 15 <i>Distribution Business Requests to amend Green Deal Plans</i> process.</p> <p>Where the request was initiated by the Green Deal Licensee, a confirmation will be generated by the GDCC as set out in step 14.1 of this process such that the Green Deal Licensee is able to update their records accordingly.</p> <p>Where the request originated from a Distribution Business, the GDCC:</p> <ul style="list-style-type: none"> a) will not generate a response to the Green Deal Licensee at this stage, but rather will generate an update to the Green Deal Licensee as set out in step 15.1 of this process; and b) will generate a response confirming acceptance as set out in the GDOP 15 <i>Distribution Business Requests to amend Green Deal Plans</i> process 	12.2	14.1 OR 15.1 and GDOP 15
14.1	Where the request originated from the Green Deal Licensee, a D0343 data flow containing a GDCC response codes confirming acceptance for the update to the Green Deal MPAN Core will be generated to the sender by the GDCC.	13.1	14.2 AND 15.1
14.2	Where a D0343 data flow is received by the Green Deal Licensee containing GDCC reason codes indicating that the request was accepted and, records in the GDCC updated accordingly, they may update their internal records as required.	14.1	Licensee updates internal records

Step	Activity	Input Step	Output Step
15.1	<p>Where a request to amend the MPAN Core associated to the Green Deal Plan record has been successfully processed, and both MPAS and the GDCC records updated accordingly, the GDCC will generate a D0325 data flow to the Green Deal Licensee.</p> <p>Where a Green Deal Plan record is at a status of 'PENDING' the D0325:U data flow will be held by the system until such time as a D0341 with a 101 Party Response Code has been sent from a Licensee to the GDCC in response to a D0325:I for that Green Deal Plan Record.</p> <p>Note: If the GDCC is holding a D0325:U because a D0335 was received while the plan was at pending, the D0325:I generated during GDOP 05 will contain the Green Deal MPAN Core associated to the Green Deal Plan Record at the time the D0335 was received i.e. the old Green Deal MPAN Core.</p>	13.1 OR 14.1	15.2
15.2	<p>The D0325 data flow generated to the Green Deal Licensee will contain the following information only:</p> <ul style="list-style-type: none"> a) The new Green Deal MPAN Core; b) The GD Plan ID; c) A unique GDCC Instruction Number; and d) A GDCC Instruction Type of 'U' (<i>Update</i>) 	15.1	16.1
16.1	On receipt of the D0325 data flow the Green Deal Licensee will update their internal systems as required to confirm the relationship between the new Green Deal MPAN Core and the GD Plan ID .	15.1	17.1
17.1	On update of internal systems, the Green Deal Licensee will generate a D0341 data flow to confirm the receipt of the D0325 data flow containing the new Green Deal MPAN Core .	16.1 or 19.1	17.2
17.2	On receipt of the D0341 data flow, the GDCC will validate that it relates to a valid GDCC Instruction Number issued to the sending Green Deal Licensee. Where this validation is passed, the process ends, otherwise a report is generated to the CAS as per step 18.1.	17.1	ENDS (PASS) OR 18.1 (FAIL)
18.1	Where an incoming D0341 data flow from a Green Deal Licensee 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.	17.2	18.2

Step	Activity	Input Step	Output Step
18.2	CAS will contact the sender of the D0341 data flow in order to request investigation and resolution of issues.	18.1	19.1
19.1	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 appropriate.	18.2	17.1

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GDCC and Party Response Codes used in the Scenario

Step	Event	Flow	Response Code Generated	Flow
3.1	There is no suitable MPAN available for use as a New Green Deal MPAN Core	D0334	342 Invalid request to change Green Deal MPAN Core	D0341
	The process cannot proceed because there is an Erroneous Registration in the process of being resolved		332 An Erroneous Registration is in the process of being resolved	
7.1	Not all Mandatory fields are populated	D0335	301 Not all mandatory data provided	D0343
	The Green Deal Licensee has provided both a GDCC and Party Instruction Number		365 Both GDCC and Party Instruction Numbers populated	
	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	
7.2	The Green Deal MPAN Core is not recognised by the GDCC	D0335	317 Green Deal MPAN Core not found	D0343
	The Green Deal Plan is not at 'PENDING' or 'LIVE' status.		320 Green Deal Plan not at correct status	
	The Reason Code provided is not in the valid set.		327 Invalid reason code provided	
	The requested amended Green Deal Plan Actual End Date is not less than that already stored in the GDCC.		336 Requested end date not less than existing	
	The Party Instruction Number provided is a duplicate for the party sending the flow		350 Invalid Party Instruction Number	
	The requested Green Deal Plan End date is less than five (5) Working Days in the future.		354 Invalid GD MPAN Core ETD	
10.1	LLFC is for an export meter according to ECOES	D0335	343 Proposed Green Deal MPAN Core LLFC not valid for import meter	D0343
	MPAN not 'traded' (i.e. not live and registered to a Supplier)		344 Proposed Green Deal MPAN Core not at correct registration status	

Step	Event	Flow	Response Code Generated	Flow
	Supplier for MPAN is not a Green Deal Licensee in GDCC		345 Supplier for proposed Green Deal MPAN Core not Green Deal Licensee	
	The MPAN is 'in-flight' between Suppliers		344 Proposed Green Deal 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	
17.1	New Green Deal MPAN details updated in Green Deal Licensee systems	D0325	101 Request processed successfully	D0341

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Market Process Scenario Workflow

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