

## GDOP 04 – Updates to Green Deal Effective Dates in MPAS

### Document Control

Version	Status	Author	Release Date	Reason for release
1.0	FINAL	MRA Green Deal Project	01/07/2012	Baseline technical requirements for the updating of Green Deal Effective Dates in MPAS
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, Paul McDowell	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.
9.0	APPROVED	Andy Bard	30/07/2015	Baseline version for release R09.0
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11.0	APPROVED	Gary Bilton	30/06/2016	Baseline version for release R11.0
12.0	APPROVED	Gary Bilton	03/11/2016	Baseline version for release R12.0

### 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 for updating MPAS records in relation to the association of effective dates relating to one or more Green Deal Plan records in the GDCC to an MPAN. This process includes:

- The generation of a request to MPAS to assign effective from and to dates for the MPAN associated to a Green Deal Plan record in the GDCC;
- The generation of a request to MPAS to amend existing effective to dates for the MPAN associated to a Green Deal Plan record in the GDCC; and
- MPAS validation checks and responses to the GDCC.

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

- The relevant MPAN has passed validation checks within the GDCC;
- The Green Deal Plan record in the GDCC is at a status of 'NEW', 'PENDING'; or 'LIVE'; and
- All required pre-processing in the relevant input process has completed.

The need to update the MPAN record can result from events covered in the following processes:

- **GDOP 03** - Initial Notification of a Pending Green Deal;
- **GDOP 05** - Notification of Pending Green Deal Charges to the Green Deal Licensee;
- **GDOP 08** - GD Provider Updates to Green Deal Charge Data;
- **GDOP 15** - Distribution Business Requests to Amend Green Deal Plans; and
- **GDOP 16** - Requests to Change the MPAN Core Associated with a Green Deal Plan Record.

There are a number of ways in which updates may be applied; the following are valid:

- An initial set of **GD MPAN EFD** and **GD MPAN ETD** being created for a **Green Deal MPAN Core**;
- An existing **GD MPAN ETD** is being amended with a new date in the future; and
- A further set of **GD MPAN EFD** and **GD MPAN ETD** being created for a **Green Deal MPAN Core**, where the new **GD MPAN EFD** is greater than any previously held **GD MPAN ETD**, i.e. an MPAN Core could have a period between Green Deal Plans where the relevant restrictions do not apply.

The following DTN data flows are used within this process:

- D0324 Advise Green Deal Active at MPAN
- D0340 MPAS Response to GDCC

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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	<p>As a result of an input trigger from other market processes, the GDCC will generate a D0324 data flow. This data flow will contain:</p> <ul style="list-style-type: none"> <li>a) A unique <b>GDCC Instruction Number</b>;</li> <li>b) The <b>Green Deal MPAN Core</b> for which effective dates are to be set or updated;</li> <li>c) The <b>GD MPAN ETD</b>; and</li> <li>d) In all instances the <b>GD MPAN EFD</b>.</li> </ul> <p>Any <b>GD MPAN EFD</b> or <b>GD MPAN ETD</b> generated to MPAS via the D0324 will be for at least one (1) Working Day in advance of the date that MPAS would be expected to receive and process the data flow in normal operating conditions.</p>	STARTS	2.1

Step	Activity	Input Step	Output Step
2.1	<p>On receipt of the D0324 data flow, MPAS will carry out validation checks to ensure that the MPAN provided from the GDCC:</p> <ul style="list-style-type: none"> <li>a) Is not associated to an export supply as defined by the Line Loss Factor Class type in MDD;</li> <li>b) Has a status of 'Traded' in MPAS;</li> <li>c) Is still registered to an Electricity Supplier who is a Green Deal Licensee;</li> <li>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</li> <li>e) Does not have a future registration to a Supplier who is not a Green Deal Licensee.</li> </ul> <p>In addition, the MPAS will confirm that:</p> <ul style="list-style-type: none"> <li>i. Any <b>GD MPAN EFD</b> provided is               <ul style="list-style-type: none"> <li>1) greater than the date the D0324 data flow was received; and</li> <li>2) not overwriting an existing value for the field in the MPRS where there is not an associated <b>GD MPAN ETD</b> less than the new <b>GD MPAN EFD</b> provided.</li> </ul> </li> <li>ii. The <b>GD MPAN ETD</b> is different to any value already held and not less than any <b>GD MPAN EFD</b> already held in MPAS systems.</li> </ul>	1.1	3.1 (FAIL) / 5.1 (PASS)
3.1	<p>Where the requested update fails validation, the MPAS will generate a D0340 data flow containing:</p> <ul style="list-style-type: none"> <li>a) The <b>GDCC Instruction Number</b> from the relevant incoming D0324;</li> <li>b) The <b>Green Deal MPAN Core</b>; and</li> <li>c) All relevant <b>GD Party Response Codes</b>.</li> </ul>	2.1	4.1
4.1	<p>Where a D0340 data flow is received rejecting the update requested, the GDCC will process the information received and generate appropriate responses via the relevant process that triggered the request.</p>	3.1	END
5.1	<p>Where the incoming D0324 data flow passes validation, the MPAN record in MPAS systems will be updated to include the new or amended <b>GD MPAN EFD</b> and <b>GD MPAN ETD</b>.</p>	2.1	6.1 AND 7.1

Step	Activity	Input Step	Output Step
6.1	Following the update to the MPAN data in MPAS, the information will be included on the next scheduled update to ECOES as required under MAP 15 <i>ECOES</i> such that the data is available in ECOES on the following Working Day alongside all other MPAS updates.	5.1	END
7.1	In parallel to the update to ECOES, Where the requested update passes validation, the MPAS will generate a D0340 data flow containing: <ul style="list-style-type: none"> <li>a) The <b>GDCC Instruction Number</b> from the relevant incoming D0324;</li> <li>b) The <b>Green Deal MPAN Core</b>; and</li> <li>c) A successful <b>GD Party Response Code</b>.</li> </ul>	5.1	8.1
8.1	Where a data flow is received confirming the update requested, the GDCC will process the information received and generate appropriate responses via the relevant process that triggered the request.	7.1	END

## GDCC and Party Response Codes used in the Scenario

Step	Event	Flow	Response Code Generated	Flow
2.1	The Effective dates submitted are the same as those held	D0324	204 No change to status in MPAS required	D0340
	LLFC is for an export meter according to ECOES		312 MPAN Core LLFC not valid for import meter	
	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 Green Deal Effective From Date has been provided that is less than the date of the flow,		353 Invalid GD MPAN Core EFD	
	A Green Deal Effective From Date has been provided where a value already exists for that data item in the MPAS database, and the previous record does not have an associated Effective To Date less than the new Effective Date provided		354 Invalid GD MPAN Core ETD	
	A Green Deal Effective To Date has been provided where no Effective From Date is provided and none already exists for the record in the MPAS systems		354 Invalid GD MPAN Core ETD	
A future registration to a Supplier who is not a Green Deal Supplier exists	361 Future Registration to Supplier who is not Green Deal Licensee			
7.1	Request processed successfully and effective dates amended as required	D0324	101 Request processed successfully	D0340



## Market Process Scenario Workflow

