DCC enrolled smart Meter: Change of Measurement Class Strawman

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Background

When SMETS 2 smart meters are fitted the Suppliers will be responsible for collecting data from the Smart Meter via the Data Communications Company (DCC) . The existing Change of Measurement Class (CoMC) processes will not be appropriate and the existing process has a number of issues.

This Strawman process looks at simplifying the process for CoMC in a smart world.

You are invited to comment on the Strawman and identify any other omissions, other simplifications that could be made, or identify other considerations for the CoMC process.

Strawman CoMC for DCC enrolled SMETs Meters

Assumptions for the Strawman

- This Strawman sets out a potential CoMC process from NHH to HH;
- It does not look at CoMC concurrent with Change of Supplier (CoS);
- It assumes the smart Meter is already enrolled in the DCC and that no site visit is required by the MOA;
- It looks at short term changes that can be introduced for the elective HH market post DCC-Go Live;
- It does not look at new Market Roles or options for centralisation of agency services;
- It sets out some key considerations for the new process; and
- It sets out some other considerations for the enduring CoMC process.

Key Considerations

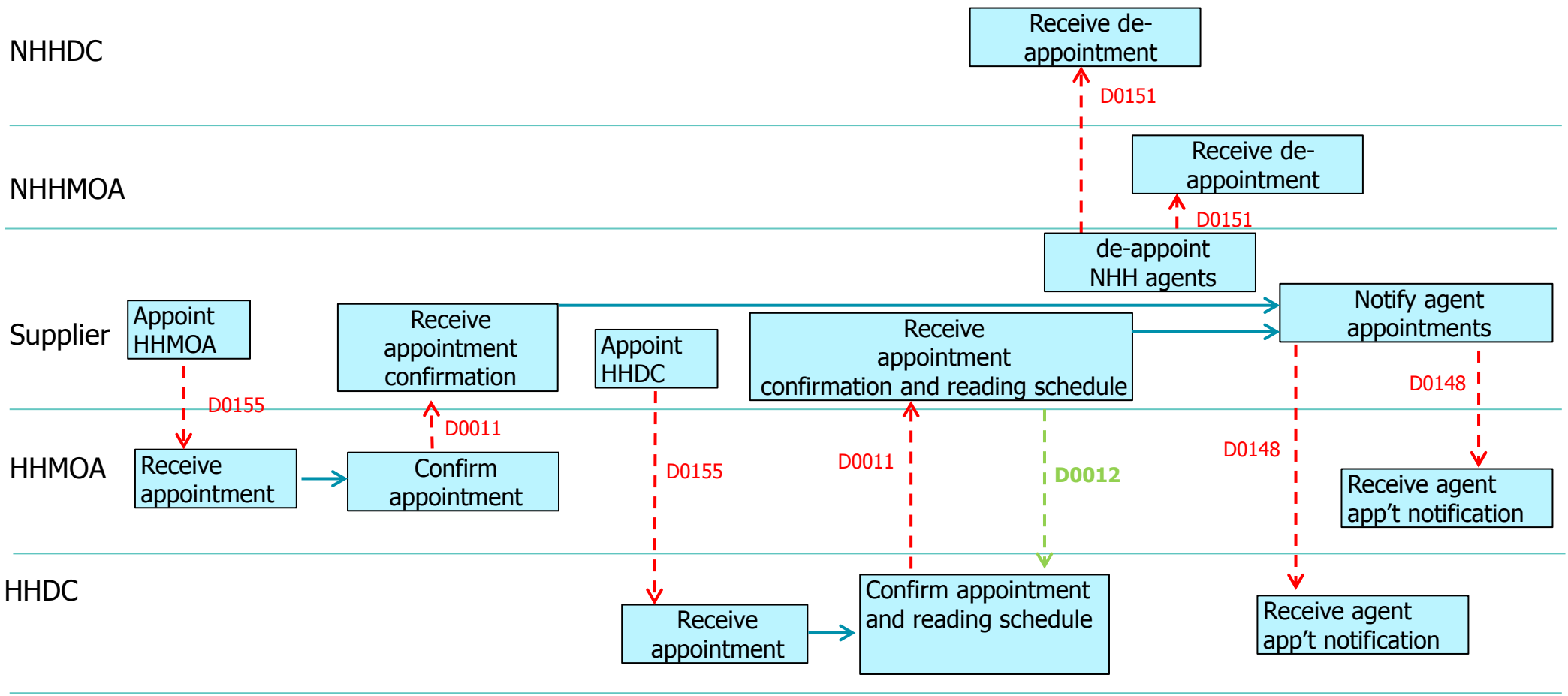
- The Supplier is responsible for configuring the meter on installation, not on CoMC;
- The Supplier holds the encryption key for the meter so no passwords need to be exchanged. Security keys will be exchanged as part of the Enduring Change of Supplier process (ECOS) from about 2020 (to be confirmed), but will be managed by the DCC in Transitional Change of Supplier (TCOS) until then. Nothing has to be exchanged outside the CoS process;
- No re-configuration will be required to collect HH data just a different type of Service Request;
- The existing data flows have many data items not relevant to SMETs metering. So new combined/ simplified data flows can be created. For example the D0268 contains a few items - e.g. the location of the meter, manufacturer's make and type, MAP Id, installation and removal dates - that are useful to the HHMO and that can't be retrieved from the meter or from the DCC's inventory at the moment.

Key Considerations

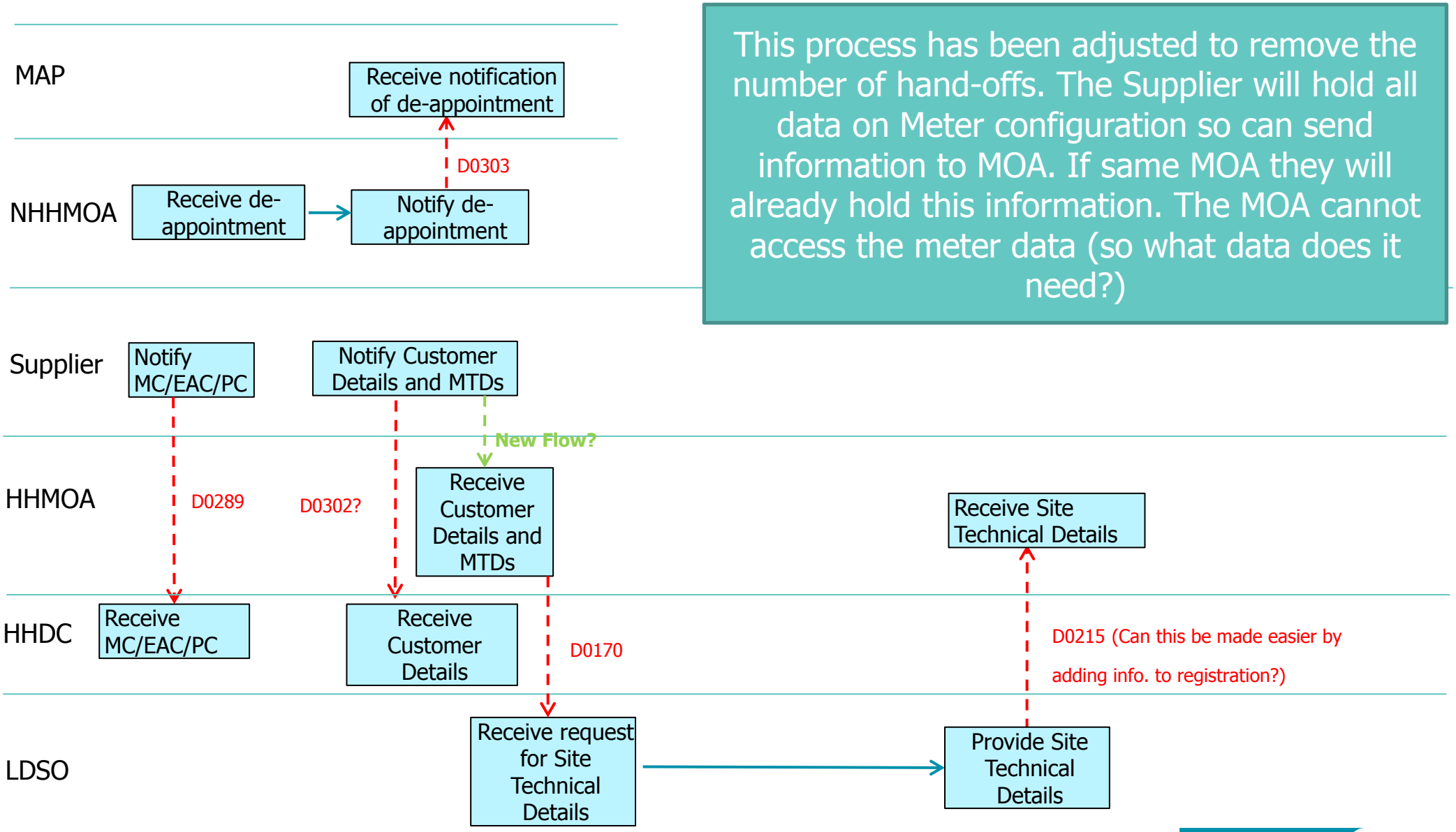
- This question applies to NHH and the D0150 as well. The NHH solution was for the Supplier to send the config details to the NHHMO who then sends the D0150 in the normal way. This was because Suppliers were unwilling to face the upheaval of separating out config and asset details (Supplier and NHHMO sourced data);
- The HH/NHH MOA will 'usually' be the same party and may already hold all the information required (need consider if any hand-offs are necessary);
- The HHMOA or the HHDC cannot access the HH profile data from the Meter (other than through the Supplier);
- Options for holding additional information in the registration systems could be considered. For example the D0215 provides site technical details which are not appropriate for smaller customers. Should the metering equipment location be added to registration data?; and
- The Supplier knows when the meter is HH since it is collecting the data so can inform everyone that needs to know.

Question: Are there any other considerations that should be noted?

Appointment Process: Little change?

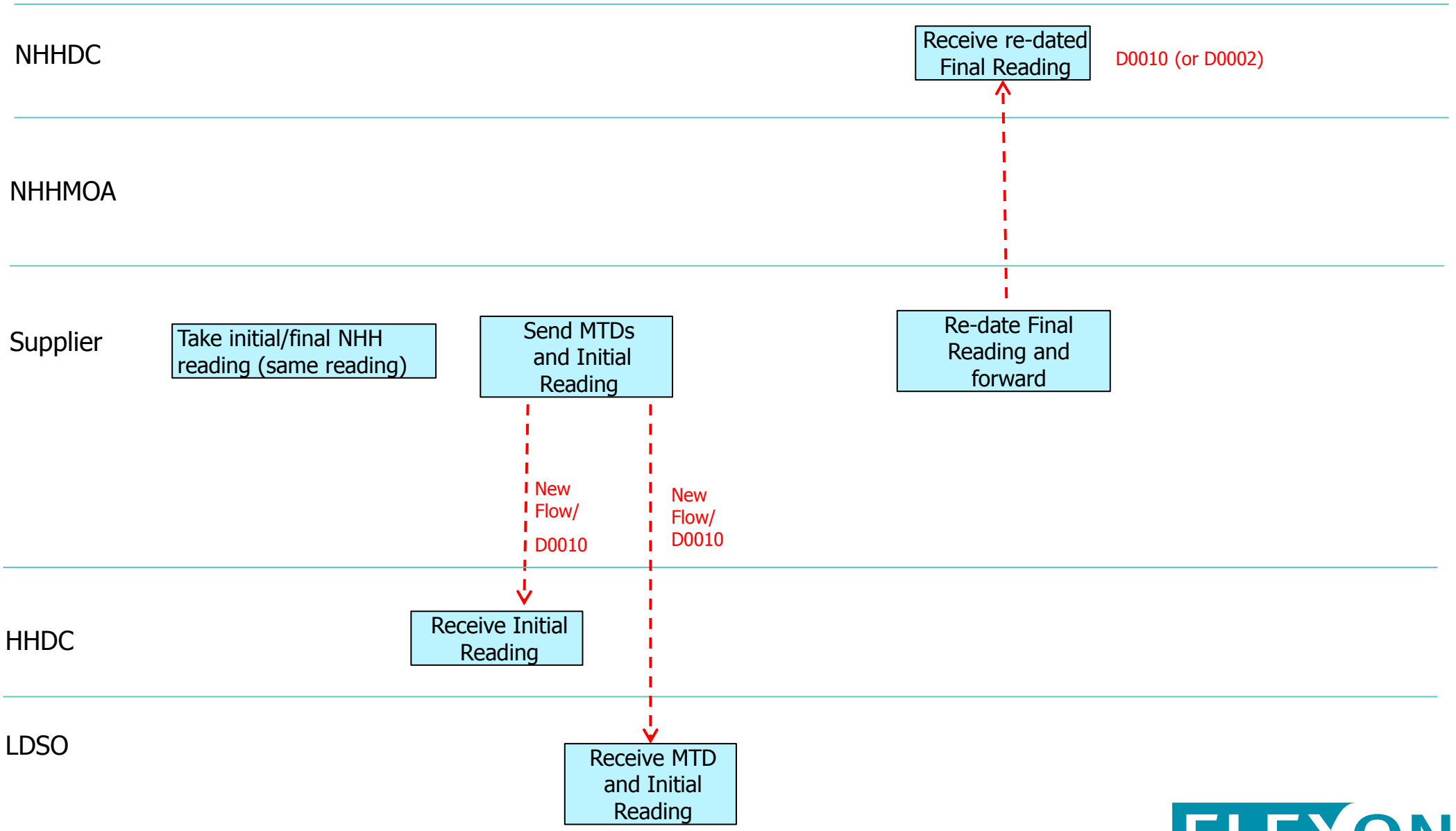


Exchange of data: Reduction in Hand-offs and MTD data

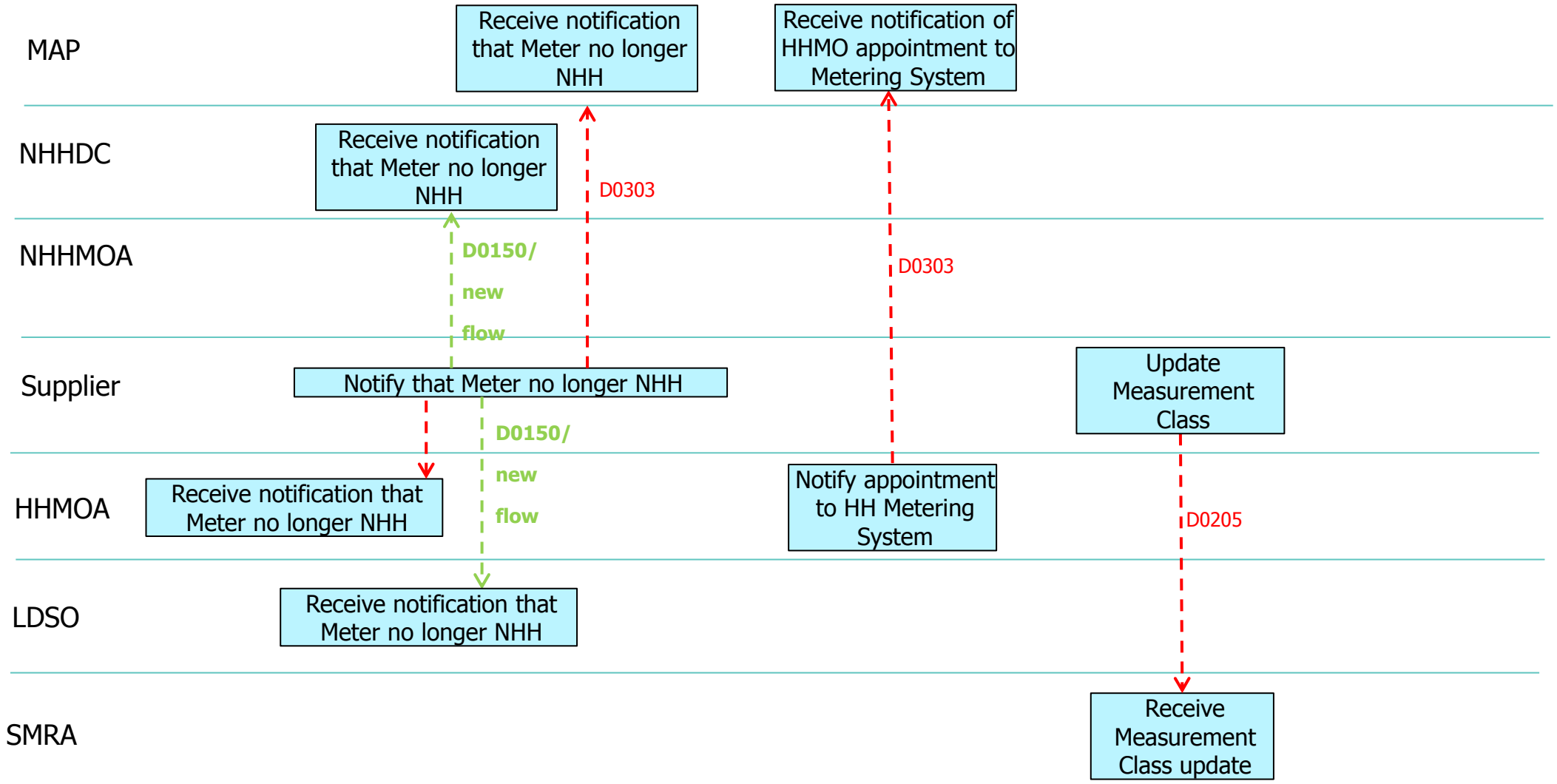


This process has been adjusted to remove the number of hand-offs. The Supplier will hold all data on Meter configuration so can send information to MOA. If same MOA they will already hold this information. The MOA cannot access the meter data (so what data does it need?)

The "Big Day"


NHHDC
Receive re-dated Final Reading
D0010 (or D0002)
NHHMOA
Supplier
Take initial/final NHH reading (same reading)
Send MTDs and Initial Reading
Re-date Final Reading and forward
New Flow/ D0010
New Flow/ D0010
HHDC
Receive Initial Reading
LDSO
Receive MTD and Initial Reading

Spreading the News: Supplier knows it is now HH!



Other considerations

- A process for non-DCC SMETs 1 may benefit from simplification of data flows but will need to retain many of the hand-offs in the existing process.
- If new Market Roles are introduced hand-offs may reduce (e.g. if NHH/HH roles combined into single agent or centralisation of agent roles takes place);
- Centralised Registration System (CRS) opens up the ability to hold information in a central location which parties could access. This could further reduce hand-offs of data;
- The registration system(s) could also be adapted to automatically handle the appointments process on instruction by Supplier (would this work?);
- Customers could flip back to NHH while HH is elective so similar simplified process required for HH to NHH (but it will look similar/ mirror the process);
- Change of Supplier complicates the situation only if concurrent with CoMC; and
- Changes where Meter replacement occurs will need separate process only if concurrent with CoMC.