geo
smarter energy

SEC0007 Proposal

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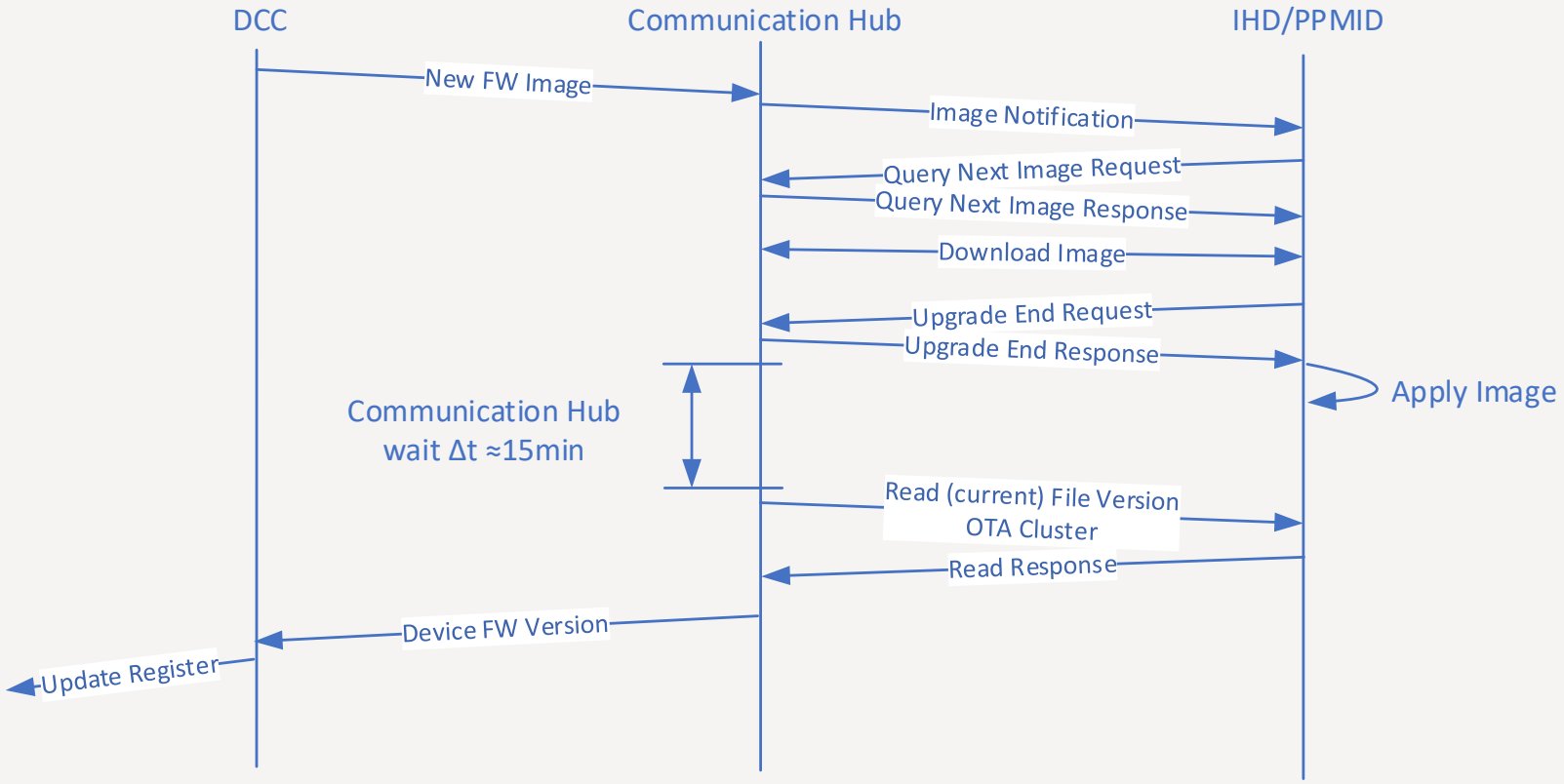
Response to Proposal 0007

1) Support this proposal strongly – OTA to PPMIDs and HCALCs needed to
   - Support enhancements to functionality
   - Avoid need to site visits
   - Deal with any security vulnerabilities that might arise
2) Logic in addressing PPMIDs and not IHDs – almost all devices are dual function
3) Ban on local upgrades is not supported.
4) PPMID features will be enhanced and this will require more regular upgrades. ZigBee functionality/approval not affected
5) Issues may arise on churn

Proposed solutions

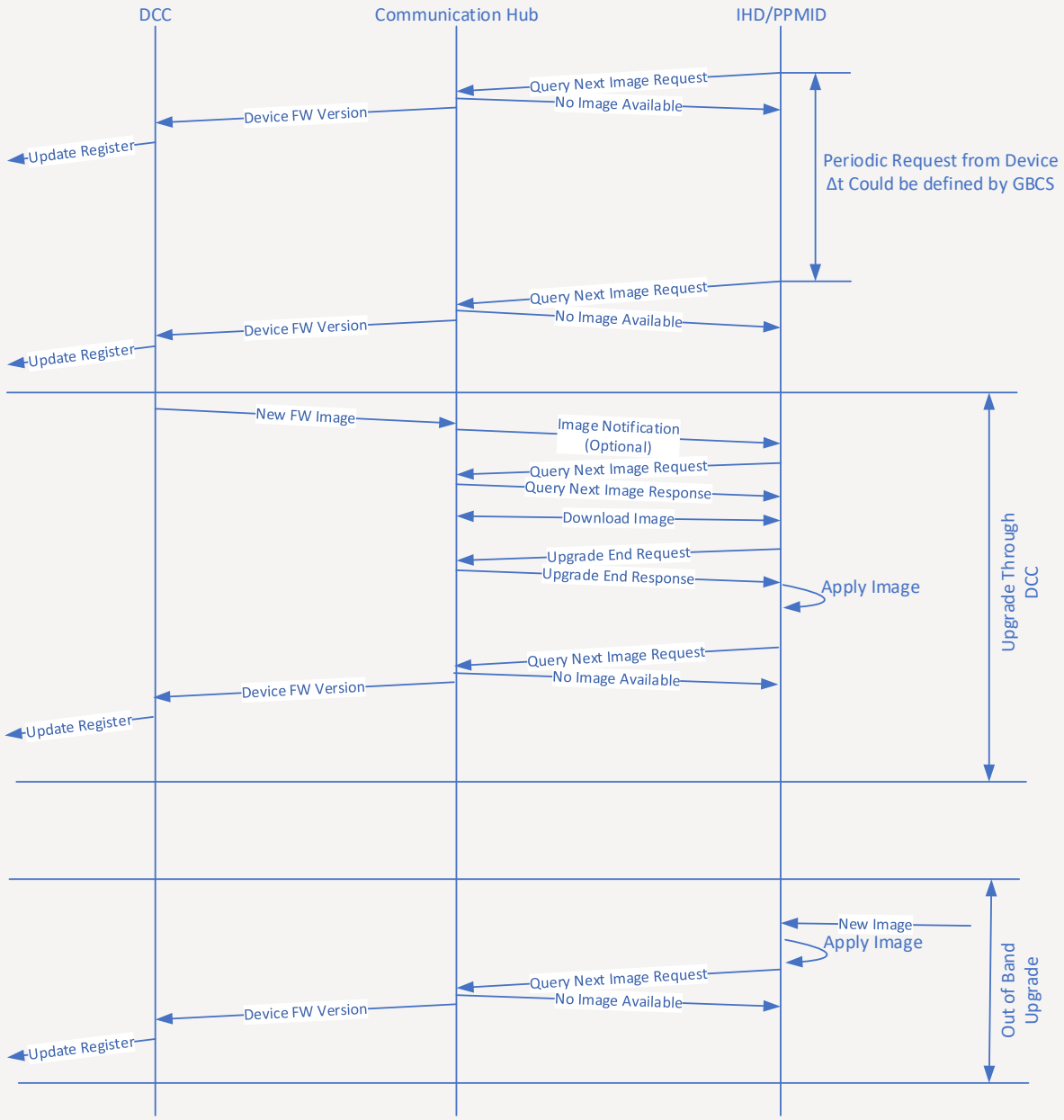
1) Blocker is the ban on local upgrades
2) Justification is for firmware version logging reason – proposal currently – comms hub requests f/w version from HAN device after downloading

Existing proposal



Alternative 1:

'query next image' carries F/W version



Alternative 2:

Device Sends alert on firmware upgrade

- Either sends the firmware version in the alert or
- Triggers f/w version request

Discussion

1) Changes are needed anyway
2) Security issues not a BEIS concern:

   BEIS noted that the Communications-Electronics Security Group (CESG) supported the removal of PPMIDS from the scope of the CPA scheme. This was due to the industry evidence showing that the PPMID cannot be used to disable a supply, even if its security was to be compromised. It was therefore noted that PPMIDs would not need to be CPA certified, and therefore the Working Group would not need to approach the CESG for further input.
3) Allows feature sets for non SMETS functions to evolve
4) Opens up use of smart meter data to energy services providers
5) Faster and cheaper to upgrade devices
6) Covers off supplier churn issues