Data Communications Company

Expanded GFI GBCS Test Tools 2020

24/02/2020

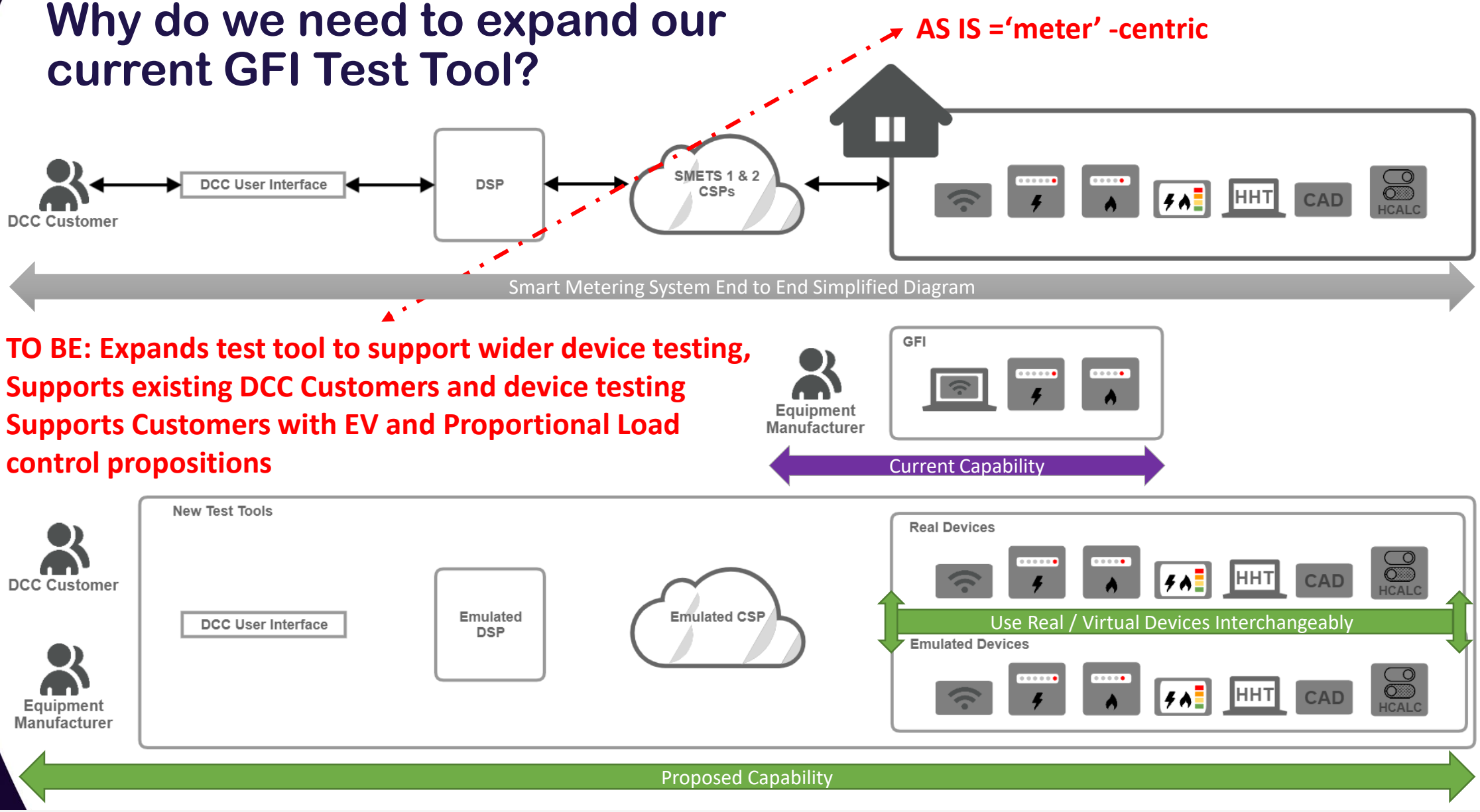
Summary Position

GBCS V4 changes:

- The current GFI tool needs to support the new GBCS (new proportional load control use cases).
- We propose to uplift this product, provided to DCC Customers and Device Manufacturers annually.
- This should support better production quality devices (extending to IHD, PPMID and CADs) as well as supporting new Proportional Load Control Devices for DCC Customers and SMIP Manufacturers
- This Test Tools product could also support future reuse for Innovation - subject to additional approvals.

We propose to call these “Expanded GFI Test Tools” or “GBCS Test Tools 2020”.

Why do we need to expand our current GFI Test Tool?



TO BE: Expands test tool to support wider device testing,
Supports existing DCC Customers and device testing
Supports Customers with EV and Proportional Load control propositions

Why should we do this?

DCC Customers
Want better test simulation products for devices (not just meters).

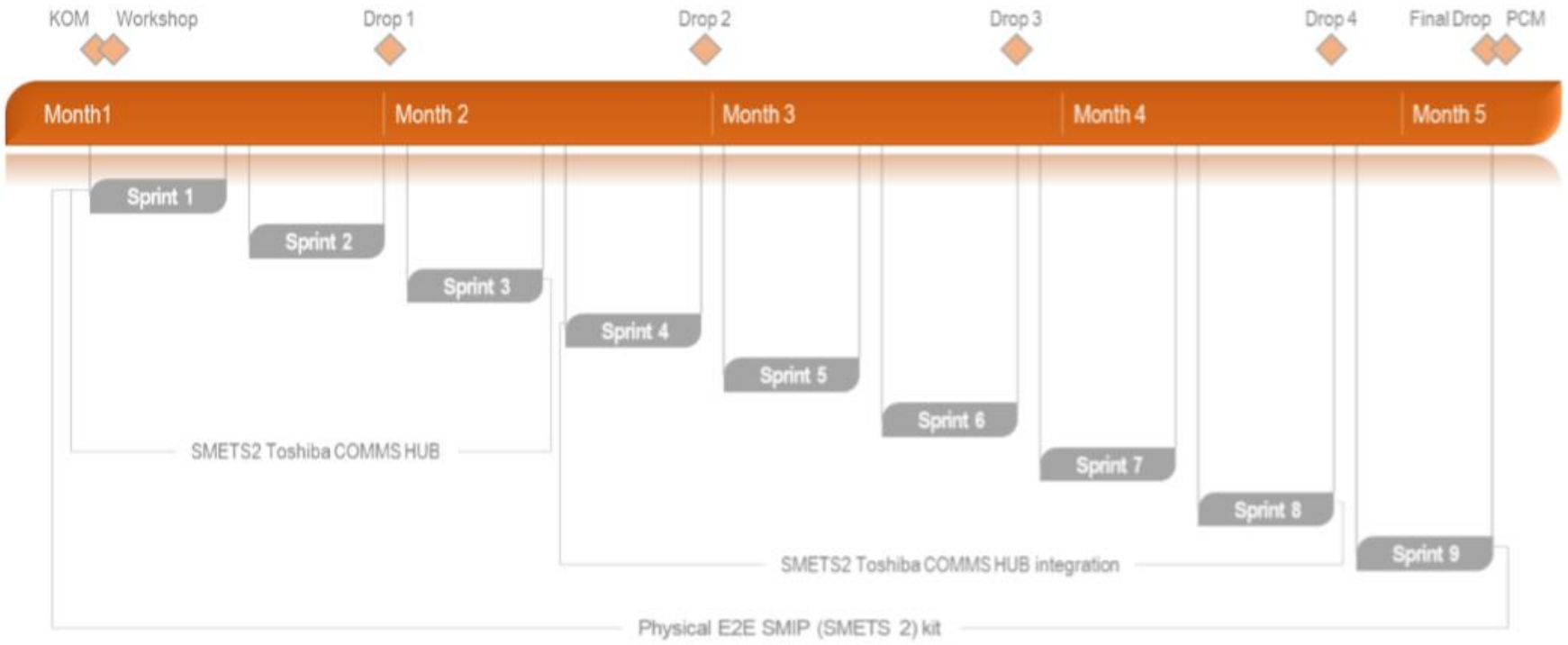
Manufacturers
Can build and test their hardware in a more complete environment, speeding up development and reducing risk of failing testing in regulated environments.

DCC
Wants better product quality in both test and production environments for all devices in use.

Overall
This should increase quality of existing devices and reduce barriers to entry for new manufacturers: Before the introduction of GFI there were 0 Communications Hubs and 0 Meters, we now have a thriving meter manufacturer market but looking ahead support is required for:

- IHD, PPMID and CAD manufacturers
- DCC Adaptors
- Proportional Load controllers (for EV)

How long will this take?



- **Expected duration 18 weeks (9 sprints) for development work (Circa 5 months).**
- **If we commence soon, we can deliver this in advance of, and in support of GBCS V4 (and DUIS November 2020).**