SwitchStream CoMC update

Wednesday 16th October 2019

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History

- Xoserve considered the re-use of existing industry flows and processes as part of Central Switching Service (CSS) scoping back in September 2017.

- With the development of the CSS communication routes, the concept of adapter services has enabled Xoserve to reintroduce our initial concept of flow reuse with SwitchStream.

- Our expertise in the market, industry experience and Switching Programme knowledge forms the basis of SwitchStream.

- Our customers have shown keen interest in the use of adapter services, and Xoserve will react to our customers' demand for this product.
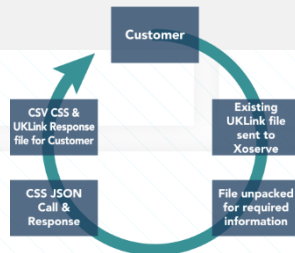
Overview of services

Option 1

Provides the ability to support gas & electricity messages utilising existing industry registration files

Benefits

✓ We connect to CSS on your behalf
✓ We manage CSS mandated security on your behalf
✓ You can reuse existing technology and infrastructure investments
✓ We generate and digitally sign messages between us and CSS
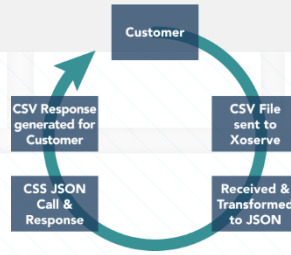✓ You can use existing switching processes

Customer

CSV CSS & UKLink Response file for Customer

Existing UKLink file sent to Xoserve

CSS JSON Call & Response

File unpacked for required information

Option 2

Provides the ability to support all gas and electricity messages through the creation of new CSS registration files

Benefits

✓ We connect to CSS on your behalf
✓ We manage CSS mandated security on your behalf
✓ You can use new file formats aligned to your new switching processes
✓ You can reuse existing technology and infrastructure investments
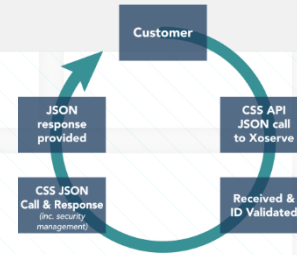✓ We generate and digitally sign messages between us and CSS

Customer

CSV Response generated for Customer

CSV File sent to Xoserve

CSS JSON Call & Response

Received & Transformed to JSON

Option 3

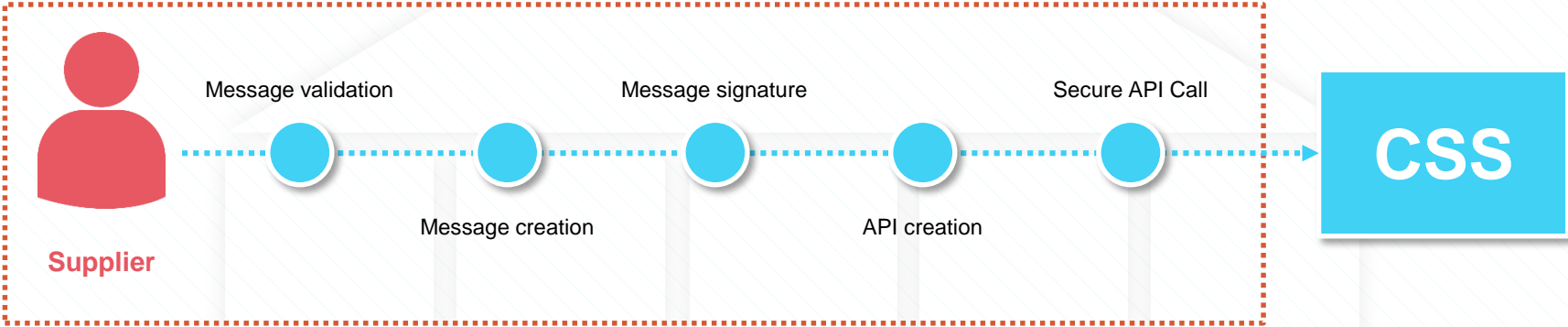Provides the ability to support all gas and electricity registrations using our APIs through a single route.

Benefits

✓ We connect to CSS on your behalf
✓ We manage CSS mandated security on your behalf
✓ We simplify market interaction by ensuring consistancy of API messages
✓ We generate and digitally sign messages between us and CSS
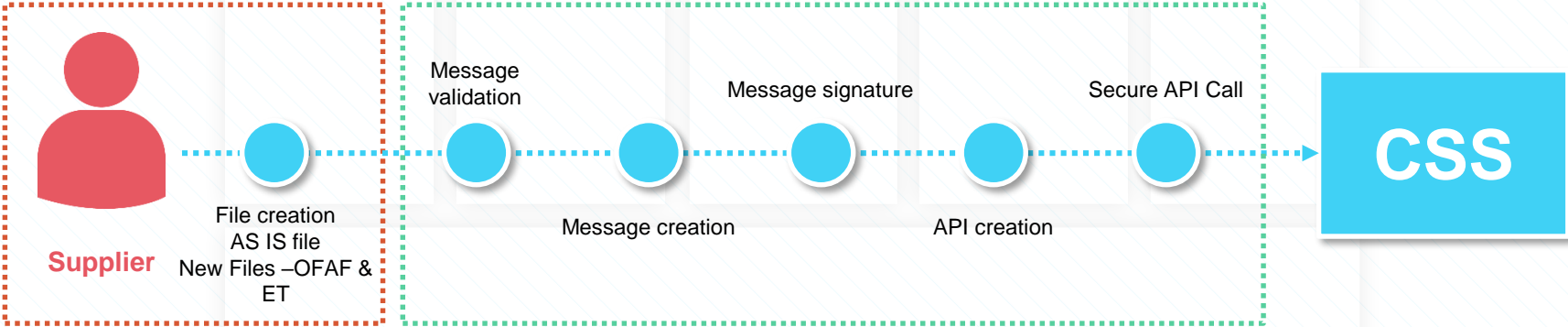✓ Our API roadmap will enable consistant customer interactions

Customer

JSON response provided

CSS API JSON call to Xoserve

CSS JSON Call & Response (inc. security management)

Received & ID Validated

Overview of services continued

Connecting directly with CSS – all activities in the red box will need to be carried out

Supplier

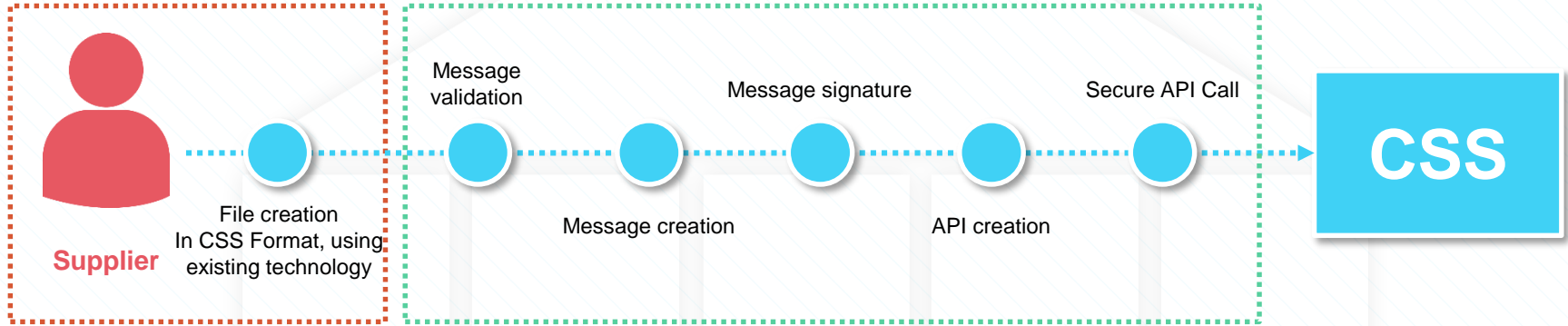Message validation

Message creation

Message signature

API creation

Secure API Call

CSS

Using SwitchStream Option1 – could continue with existing processes and technology

Supplier

File creation
AS IS file
New Files –OFAF & ET

Message validation

Message creation

Message signature

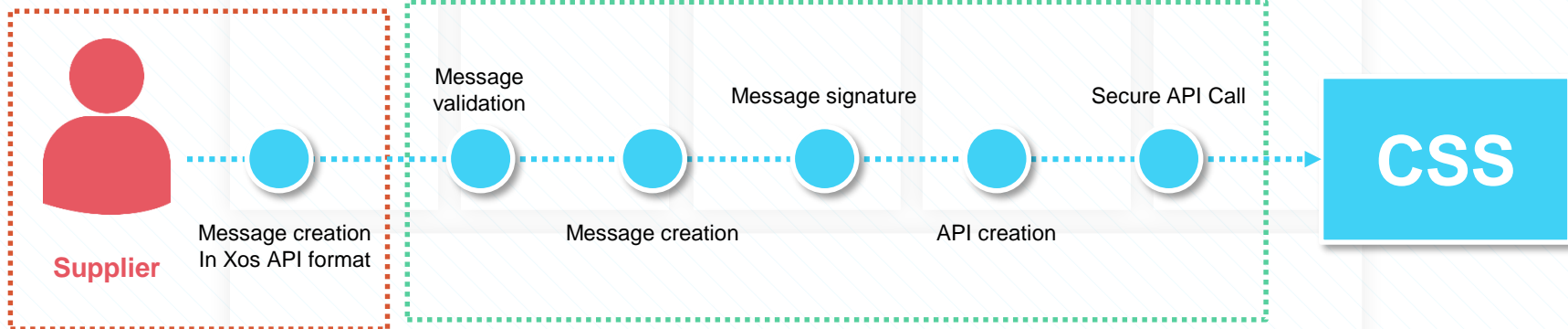API creation

Secure API Call

CSS

Overview of services continued

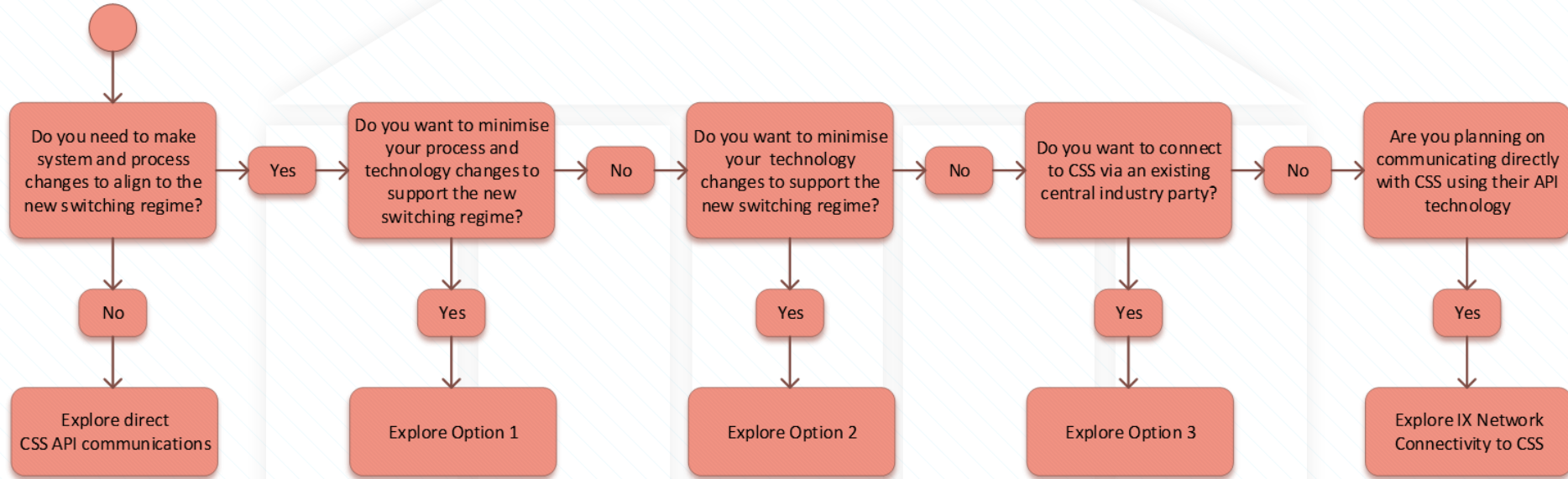**Using SwitchStream Option2** – could continue with technology, processes will need to be aligned to CSS processes

Supplier

File creation
In CSS Format, using
existing technology

Message
validation

Message creation

Message signature

API creation

Secure API Call

CSS

Using SwitchStream Option 3 – can utilise Xoserve APIs for consistency across primary & secondary interfaces

Supplier

Message creation
In Xos API format

Message
validation

Message creation

Message signature

API creation

Secure API Call

CSS

What does it mean to you?

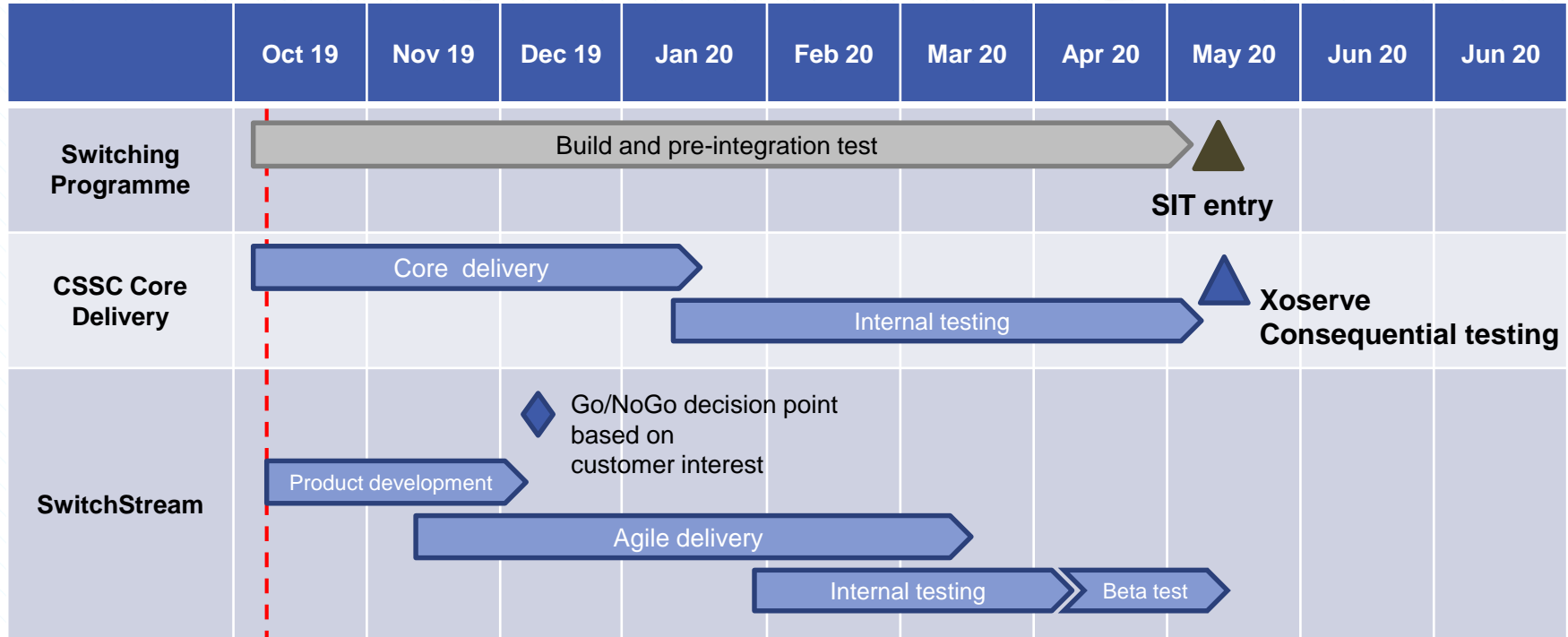|	Option 1	Option 2	Option 3
Gas	**Shipper & Supplier** • AS IS process remains for switching • No need to develop consequential UK link changes • No need to develop new CSS messages • Need develop new switching files for OFAF and ET resolution • Capture the registration ID, if required.	**Supplier** • You'll need to create new CSS files in your preferred format which would include OFAF and ET resolution for inbound & outbound messages • Need to change your processes to align to new switching regime. **Shipper** • You'll need to be able to receive CSS outbound messages in your preferred format • Need to change your processes to align to new switching regime.	**Supplier** • You'll need to create new CSS APIs including OFAF and ET resolution for inbound & outbound messages • Need to change your processes to align to new switching regime **Shipper** • You'll need to be able to receive CSS outbound messages in APIs • Need to change your processes to align to new switching regime.
Electricity	**Suppliers** • AS IS process remains for switching • Need to continue to receive D217 file from MPRS • Need develop new switching files for OFAF and ET resolution • Registration ID will be contained within the D217 file.	**Suppliers** • You'll need to create new CSS files in your preferred format which would include OFAF and ET resolution for inbound & outbound messages • Need to change your processes to align to new switching regime.	**Suppliers** • You'll need to create new CSS APIs including OFAF and ET resolution for inbound & outbound messages • Need to change your processes to align to new switching regime.

How do you choose an option?

High-level delivery plan
- do you have additional milestones/deadlines?

	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20	Jun 20

Switching Programme
Build and pre-integration test

SIT entry

CSSC Core Delivery
Core delivery

Internal testing

Xoserve Consequential testing

SwitchStream

Go/NoGo decision point based on customer interest

Product development

Agile delivery

Internal testing

Beta test

We are here
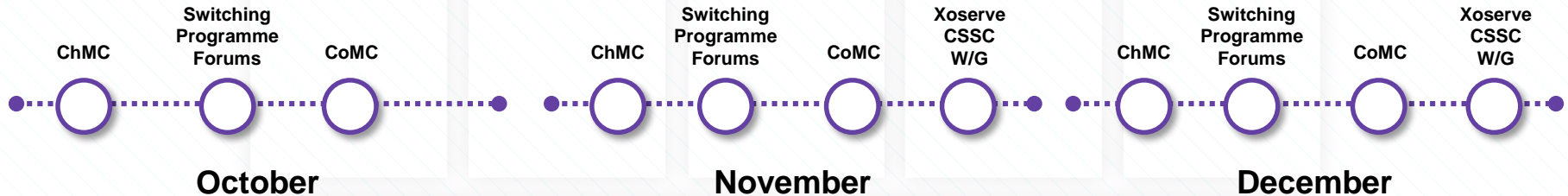
SwitchStream testing

- The Switching Programme has mandated certain test activities as part of the overall programme plan. These phases allow market participants to test in conjunction with CSS and all central service providers.

- Xoserve has it's own consequential test phase, which would be utilised by shippers.

- You will have SwitchStream available for both consequential testing, as well as all Switching Programme external testing phases.

- We will be looking for beta testing partners ahead of full-fledged external testing.

Next Steps

- We will continue to engage with our customers via our existing governance forums and 1-2-1 conversations to understand appetite.
- In addition, we will continue to provide further detail and information on SwitchStream via our website, newsletters and blogs.
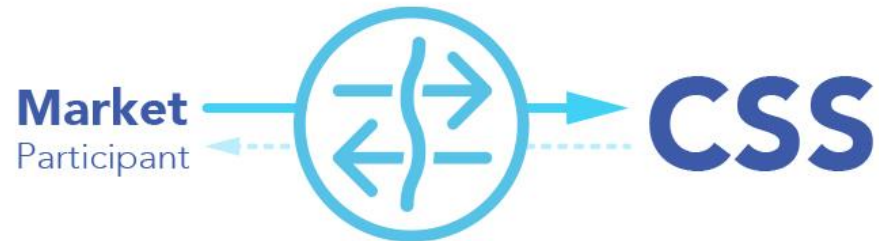
Engagement timeline

Website updates, weekly newsletters, blogs, 1-2-1s

| ChMC | Switching Programme Forums | CoMC | | | ChMC | Switching Programme Forums | CoMC | Xoserve CSSC W/G | | | ChMC | Switching Programme Forums | CoMC | Xoserve CSSC W/G |

October **November** **December**

Flows in scope

Flows/Messages in consideration for each of the options.

	Supplier		Shipper	
	Inbound	**Outbound**	**Inbound**	**Outbound**
Option 1 – Gas	0	0	3	5
Option 2 – Gas	5	8	0	7
Option 1 – Electricity	1*	1*	0	0
Option 2 – Electricity	5	8	0	0
Option 3 – Gas	5	8	0	7
Option 3 – Electricity	5	8	0	0

Does not currently include objection flows