

P218 Scenarios

The following scenarios detail the process that would be required for Change of Supplier and for switching between the arrangements under P218 (pseudo MPAN) and P81 (two-MPANs plus physical meter).

It should be noted that the scenarios do not separate out situations under P81 where the site has one meter compared to the site having two meters as this is not impacted by the implementation of P218. Therefore reference to meter under P81 could also be taken to refer to meters.

The scenarios detailed below are based on the Proposed Modification i.e. one pseudo MPAN per Supplier, per GSP Group, per Distributor. Alternative Solution 1 would be very similar although only one of the Suppliers pseudo MPANs in the GSP Group would be impacted by any change. This would introduce added complication as the parties would need to ensure that the correct pseudo MPAN was affected.

The scenarios are listed below:

- a) P218 solution (pseudo MPAN) to P81 solution (actual MPAN) **no** Change of Supplier (CoS);
- b) P218 solution (pseudo MPAN) to P81 solution (actual MPAN) **with** Change of Supplier (CoS);
- c) P081 solution (actual MPAN) to P218 solution (pseudo MPAN) **no** Change of Supplier;
- d) P081 solution (actual MPAN) to P218 solution (pseudo MPAN) **with** Change of Supplier;
- e) P218 solution with Change of Supplier;
- f) P218 solution to Microgeneration Export not registered no Change of Supplier; and
- g) P218 solution to Microgeneration Export not registered with Change of Supplier

1. P218 – P81 no CoS

A single site would need to be removed from the Supplier's pseudo Export MPAN in the relevant GSP Group. The Supplier would need to inform the MEO so that a new EAC is calculated for the relevant pseudo MPAN and submitted into Settlements.

The Supplier would have to set up a new MPAN and appoint a MOA, NHHDC and NHHDA of its choice. The NHHDC would need to be provided with an appropriate EAC for the MPAN. The initial EAC would be zero in line with the rules set out under P81 where the Profile Class Average EAC for new Export MPANs is set to zero until actual metered data is received. The Supplier may also need to install a Meter if there is not already an appropriate Meter on site. If there is only one Meter recording Import and Export separately, then the Supplier would need to ensure that the same MOA is appointed to both Import and Export MPANs.

2. P218 – P81 with CoS

A single site would need to be removed from a Supplier's portfolio and hence removed from the Supplier's pseudo Export MPAN in the relevant GSP Group. The old Supplier would need to inform the MEO so that a new EAC is calculated for the relevant pseudo MPAN and submitted into Settlements.

The new Supplier would have to set up a new MPAN and appoint a MOA, NHHDC and NHHDA of its choice. The NHHDC would need to be provided with an appropriate EAC for the MPAN. The initial EAC would be zero in line with the rules set out under P81 where the Profile Class Average EAC for new Export MPANs is set to zero until actual metered data is received. The new Supplier may also need to install a Meter if there is not already an appropriate Meter on site. If there is only one

Meter recording Import and Export separately, then the new Supplier would need to ensure that the same MOA is appointed to both Import and Export MPANs.

It is assumed that the Import MPAN would also be transferred, however this process would be carried out separately following the current CoS rules.

3. P81 - P218 no CoS

Under this scenario the Supplier would need to disconnect the Export MPAN and ensure that the site is added to its pseudo Export MPAN. Note that this is only logical disconnection, there is no requirement for the Meter to be physically removed. The Supplier would need to obtain information regarding the Microgenerator capacity and possibly the type of technology and inform the MEO so that the EAC for the pseudo MPAN can be recalculated taking into account the new site.

4. P81 – P218 with CoS

Under this scenario the old Supplier would be responsible for disconnecting the Export MPAN, therefore only the Import MPAN would be transferred to the New Supplier using the current CoS process. The old Supplier would disconnect the Export. The new Supplier would need to obtain information regarding the Microgeneration Capacity and possibly the type of technology from the customer. The new Supplier would provide this information to the MEO for calculation of the EAC.

5. CoS only – under P218

A single site would need to be removed from the old Supplier's portfolio and hence removed from the old Supplier's pseudo Export MPAN in the relevant GSP Group. The old Supplier would need to inform the MEO so that a new EAC is calculated for the relevant pseudo MPAN and submitted into Settlements. The new Supplier would need to obtain information regarding the Microgeneration Capacity and possibly the type of technology from the customer.

The new Supplier would need to inform the MEO so that the EAC for its pseudo Export MPAN is recalculated taking into account the new site.

It is assumed that the Import MPAN would also be transferred, however this process would be carried out separately following the current CoS rules.

6. P218 – Microgeneration Export not registered

Under this scenario the Supplier would decide not to register the Microgeneration Export within Settlements any longer. The Supplier would simply need to inform the MEO who would remove the site from its pseudo Export MPAN in the relevant GSP Group. The MEO would also need to calculate a new EAC for the relevant pseudo MPAN and submit it into Settlements.

7. P218 – Microgeneration Export not registered on CoS

Under this scenario the new Supplier would decide not to register the Microgeneration Export within Settlements and take no action other than transfer the Import MPAN using current processes. The old Supplier would need to remove the site from its pseudo Export MPAN in the relevant GSP Group. The old Supplier would need to inform the MEO so that a new EAC is calculated for the relevant pseudo MPAN and submitted into Settlements. If the new Supplier were not aware of the site having Export then this process could accidentally happen on CoS.

Key to diagrams:

The diagrams show three streams; the main process steps in the centre; the key issues on the right and indication of either new or existing process on the left of the page. Significant issues are shown in red. DTC flows are shown in green.

Terms:

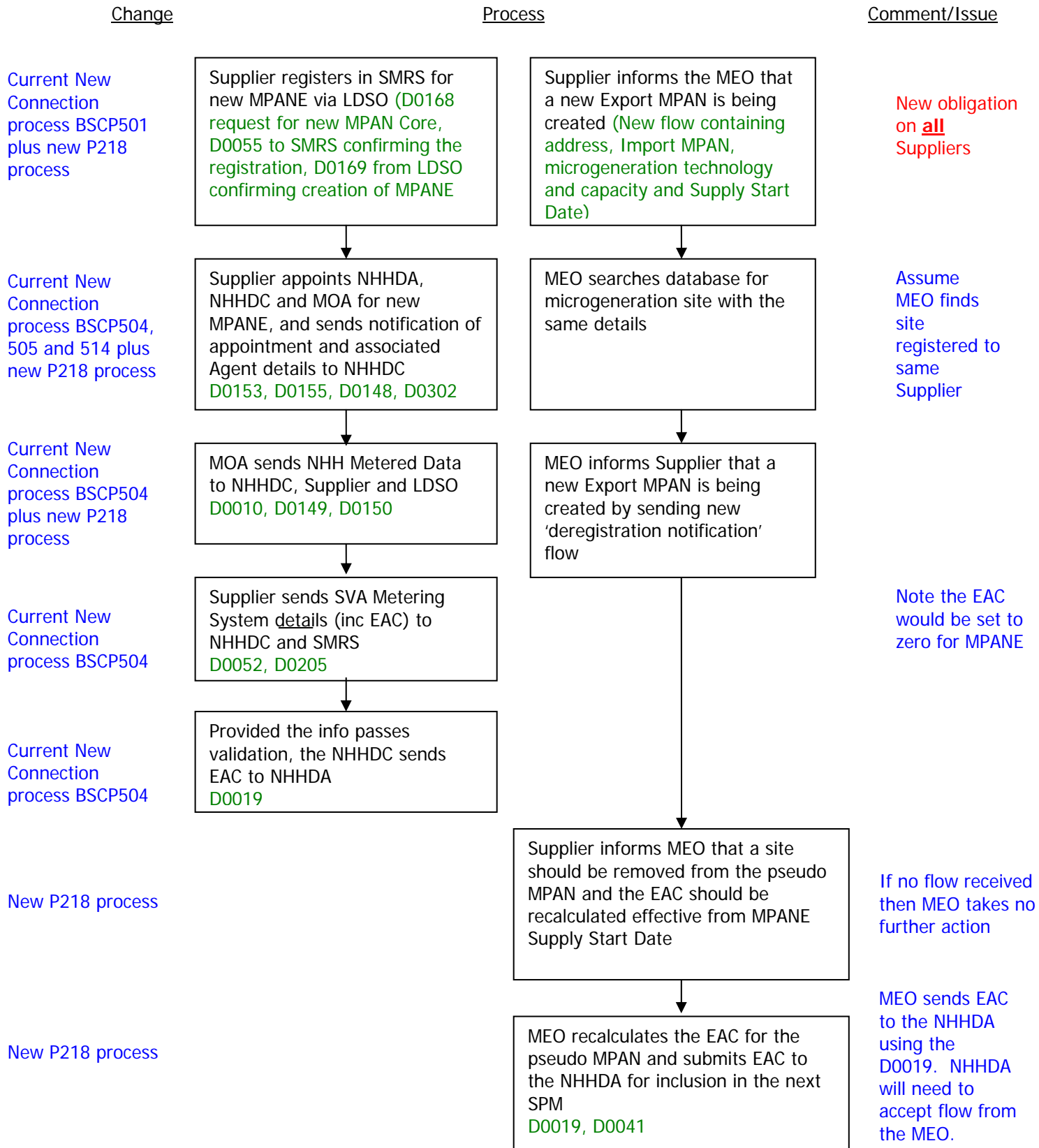
| | |
|-------|---------------------------------------|
| MPANI | = import only MPAN |
| MPANE | = export only MPAN |
| S1 | = Old Supplier |
| S2 | = New Supplier |
| SPM | = Supplier Purchase Matrix |
| MEO | = Microgeneration Export Operator |
| MOA | = Meter Operator Agent |
| NHHDA | = Non Half Hourly Data Aggregator |
| NHHDC | = Non Half Hourly Data Collector |
| SMRS | = Supplier Meter Registration Service |

Key assumptions:

1. The diagrams have assumed that the same Supplier is taking both the Import and Export site. However the same process would be followed if the Import and Export are transferred to different Suppliers.
2. It is assumed that one central MEO will be created. This MEO can therefore check whether a site is already registered to another Supplier when it receives a request to register an Export site. If it is registered to another Supplier, the MEO can check that the other Supplier is requesting removal of this site from its pseudo MPAN.
3. There will be an obligation on Suppliers to remove an Export site from its pseudo MPAN when it is no longer responsible for that site. It is therefore assumed that the MEO will not do any additional checks when it receives a request from a Supplier to remove a site from its pseudo MPAN i.e. the MEO will not check that the site is being registered elsewhere.
4. It is assumed that the rules relating to the registration of Export MPANs will not change e.g. a new Export MPAN will be assigned a zero EAC until actual metered data is received.

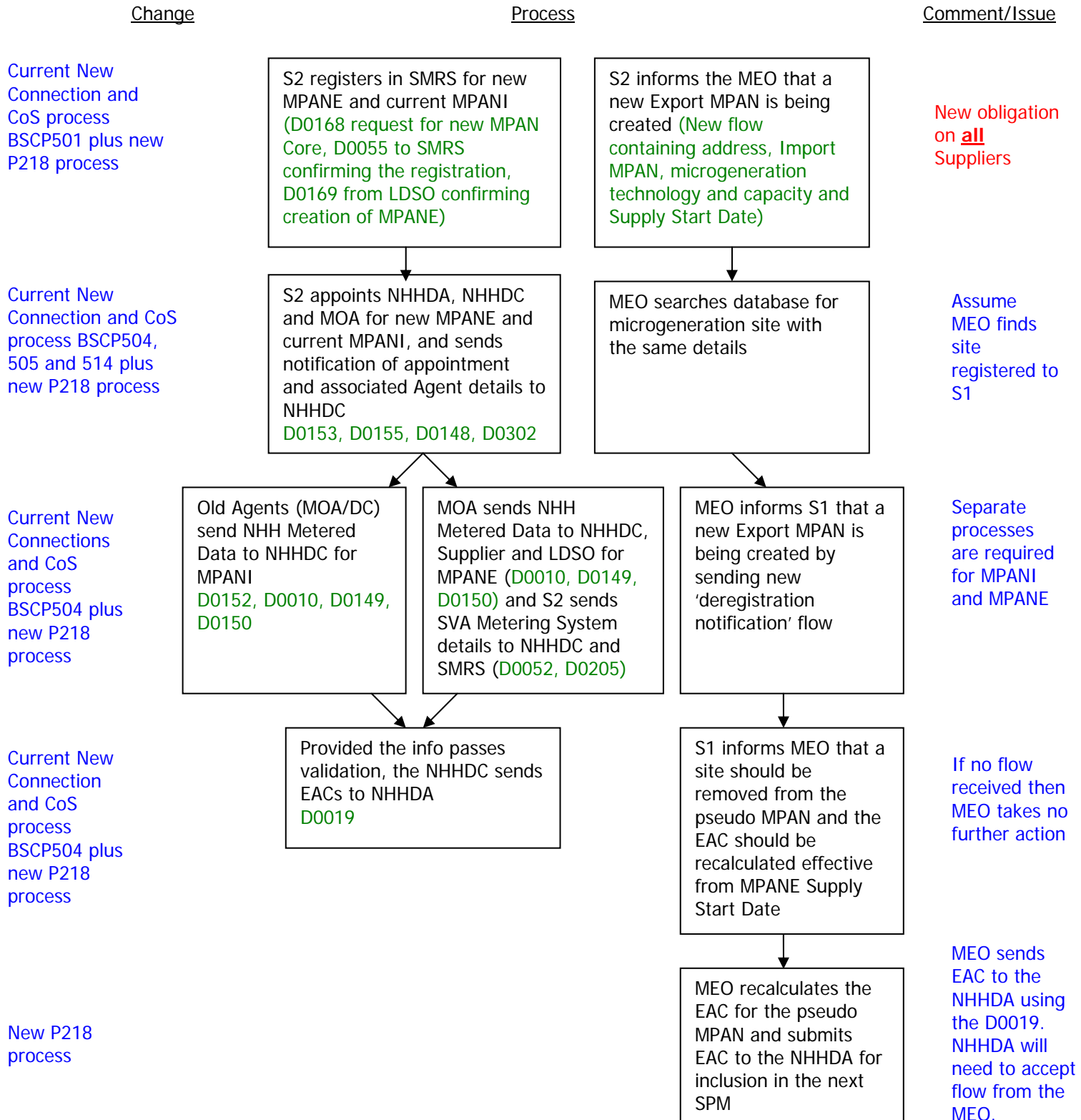
A3.2 Scenario Diagrams

Scenario 1 P218 to P81 no CoS (where Supplier is responsible for registration of the new Export MPAN and installation of Meter (where necessary))



Scenario 2 P218 to P81 with CoS (where S2 is responsible for registration of the new Export MPAN and installation of Meter (where necessary))

Change of Supplier (CoS: Old Supplier S1; New Supplier S2 taking on both Import and Export)



Scenario 3 P81 to P218 no CoS (where Supplier is responsible for disconnection of the Export MPAN)

| <u>Change</u> | <u>Process</u> | <u>Comment/Issue</u> |
|---|--|--|
| Current Disconnection process BSCP501, BSCP504, BSCP515 | Supplier instructs agents to deenergise (MOA) and disconnect MPANE (LDSO) and ends agent appointments (D0134 change energisation status request to MOA, D0132 disconnection request to LDSO, D0151 end NHHDC Appt, D0209 SMRA instruction to NHHDA) | LDSOs may not allow MPAN to be logically disconnected where there is still ability to Export from the site. May need to just logically deenergise MPANE. Agents will continue to be registered in SMRS |
| New P218 process once MPANE is deenergised | Supplier informs MEO that a site should be added to the pseudo MPAN and the EAC should be recalculated effective from MPANE deenergisation | New flow required between Supplier and MEO to deal with portfolio changes |
| New P218 process | MEO searches database for Microgeneration site with the same details | If the site already exists then the MEO will contact the current Supplier – should not happen in this case |
| New P218 process | MEO searches ECOES for Export MPAN with the same details | If MPAN exists then MEO will inform the current Supplier - should not happen in this case if Supplier de-energised MPANE |
| New P218 process | MEO recalculates the EAC for the pseudo MPAN and submits EAC to the NHHDA for inclusion in the next SPM D0019, D0041 | MEO sends EAC to the NHHDA using the D0019. NHHDA will need to accept flow from the MEO. |

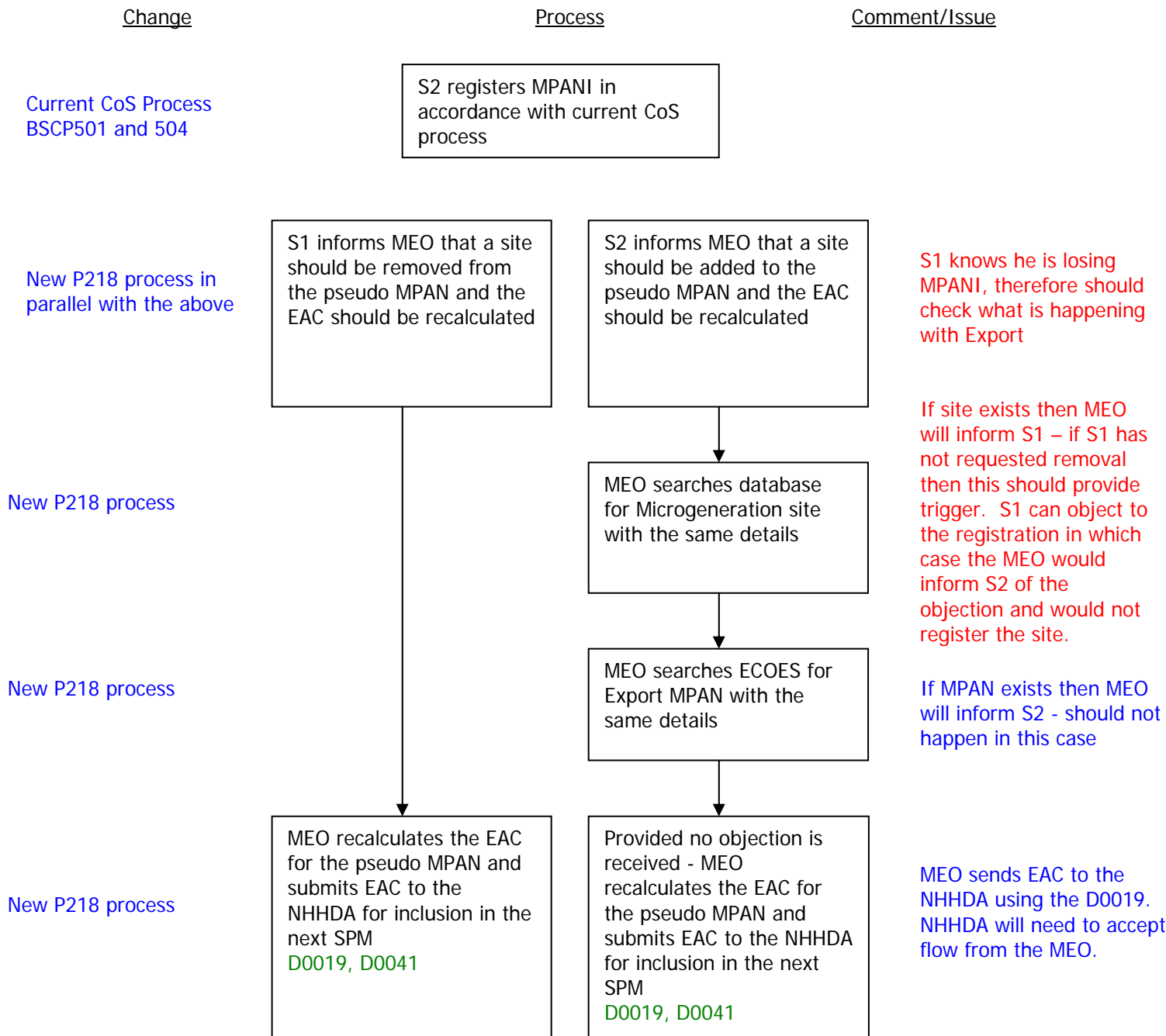
Scenario 4 P81 to P218 with CoS (where S1 is responsible for disconnection of the Export MPAN)

Change of Supplier (CoS: Old Supplier S1; New Supplier S2 taking on both Import and Export)

| <u>Change</u> | <u>Process</u> | <u>Comment/Issue</u> |
|---|--|---|
| Current CoS process BSCP501 and 504 | S2 registers MPANI in accordance with current CoS process | S2 knows from the customer that there is Export but only registers the Import |
| Current Disconnection process BSCP501, BSCP504, BSCP515 In parallel with the above | S1 instructs agents to deenergise (MOA) and disconnect MPANE (LDSO) and ends agent appointments (D0134 change energisation status request to MOA, D0132 disconnection request to LDSO, D0151 end NHHDC Appt, D0209 SMRA instruction to NHHDA) | S1 knows he is losing MPANI, therefore should check what is happening with Export LDSOs may not allow MPAN to be logically disconnected where there is still ability to Export from the site. May need to just logically deenergise MPANE. Agents will continue to be registered in SMRS |
| New P218 process | S2 informs MEO that a site should be added to the pseudo MPAN and the EAC should be recalculated. | S2 needs to be aware that there is Export. |
| New P218 process | MEO searches database for Microgeneration site with the same details | If the site already exists then the MEO will contact the current Supplier – should not happen in this case |
| New P218 process | MEO searches ECOES for Export MPAN with the same details | If MPAN exists then MEO will inform S1. S1 can object to the registration in which case the MEO would inform S2 of the objection and would not register the site. |
| New P218 process | MEO recalculates the EAC for the pseudo MPAN and submits EAC to the NHHDA for inclusion in the next SPM D0019, D0041 | MEO sends EAC to the NHHDA using the D0019. NHHDA will need to accept flow from the MEO. |

Scenario 5 CoS under P218

Change of Supplier (CoS: Old Supplier S1; New Supplier S2 taking on both Import and Export)



Scenario 6 P218 to Microgeneration not registered

| <u>Change</u> | <u>Process</u> | <u>Comment/Issue</u> |
|------------------|---|--|
| New P218 process | Supplier informs MEO that a site should be removed from the pseudo MPAN and the EAC should be recalculated | New flow required between Supplier and MEO to deal with portfolio changes |
| New P218 process | MEO recalculates the EAC for the pseudo MPAN and submits EAC to the NHHDA for inclusion in the next SPM D0019, D0041 | MEO sends EAC to the NHHDA using the D0019. NHHDA will need to accept flow from the MEO. |

Scenario 7 P218 to Microgeneration not registered on CoS (where S1 is responsible for removing site from Settlements)

Change of Supplier (CoS: Old Supplier S1; New Supplier S2 taking on both Import and Export)

