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# Faulty Meters

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- This presentation aims to provide an overview of the process for submitting a notification of a faulty meter and the processes once the faulty meter flag has been set.
- The presentation also covers the rules for all Class of meter points.

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- Terminology used;
  - A 'Check Read' is a valid on-site meter read taken during the Site Visit
  - A 'Site Visit' is the visit to the premise in order to check the meter and the read equipment
  - A 'Re-Synch' is where the read equipment is re-synchronised with the meter
  - 'Drift' is the difference in volume between the meter and the read equipment.

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- The notification of a faulty asset is at meter point level. At the time of submission it is assumed that the Shipper does not know if it is the meter, Converter or daily read equipment that is faulty.
- The notification will prevent any reads being used from the date of receipt of the notification in any downstream processes. Reads will be recorded but 'suspended'
  - For the AQ process, the 'suspended' read will not trigger the AQ process or the consumption used in the AQ calculation
  - For Reconciliation the read will not be used
  - For Allocation or energy balancing processes the read will not be used, an estimate will be generated which can be replaced
- The Shipper can submit a further notification if it is found that the asset was not faulty
- Submission of asset exchange details or Site Visit details will remove the fault status on the asset from the effective date of the exchange  
Site visit



# Principles cont.

- Reads received after the faulty asset notification will not be validated by the read validation tolerances as they will not be used in downstream processes
- The Shipper will be notified that the read has been suspended
  - MRE01008 Fault identified at meter point, read suspended via URS file
- If the faulty asset flag is removed as set in error the reads will be reinstated & validated by the read tolerances at this point
- If the read(s) do not pass the tolerance checks the read will be rejected
- Where the read(s) pass the tolerance checks they will be used in downstream processes
  - Allocation if within GFD+5 for Class 1 & 2
  - Reconciliation if outside of GFD+5 for Class 1 & 2
  - Reconciliation for Class 3 & 4
  - AQ process

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# Submission of a Faulty Asset

- For Class 1 either the DMSP or the Shipper can submit a notification of a faulty asset via the Portal (web services)
- For Class 2 the Shipper can submit a notification of a faulty asset via the Portal (web services)
- For Class 3 & 4 the notification is submitted via a file (SFN)
- The same mechanism is used to notify if the asset has been set to faulty in error

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# Effect of the Faulty Asset Flag – Class 1 & 2

- The fault can be set with an effective date in the past, any reads recorded prior to the receipt of the notification will not be suspended
  - The consumption from the read(s) can be replaced with a consumption adjustment
- Only reads received after the fault received date will be replaced with a D-7 estimate
- If an effective date is not provided the fault will be recorded as the receipt date
- Although reads will be recorded from the date of the notification they will not be used for allocation processes.
- A D-7 estimate will be calculated and used for allocation processes, this can be replaced by a consumption adjustment
  - If a consumption adjustment is submitted within GFD+5 this will replace the estimate used for allocation processes
  - If a consumption adjustment is submitted after GFD+5 this will be used for Reconciliation



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# Effect of the Faulty Asset Flag – Class 1 & 2

- If the fault flag is removed as set in error:
  - Where reads have been suspended and subsequently the fault flag is removed, all actual reads will be re-instated.
  - Reads re-instated within Close Out (within GFD+5) will replace the estimated reads and any consumption adjustments and will be used for allocation processes.
  - Reads re-instated outside of Close Out (GFD+5) will replace the estimated reads and any consumption adjustments and used for Reconciliation processes
  - Any re-instated reads will be considered for AQ process.
  - Where reads are re-instated the Shipper will be notified via the MDR file for Class 1 and URS file for Class 2

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# Effect of the Faulty Asset Flag – Class 1 & 2

- Where a Re-Synch is received notifying that the fault is with the DRE;
  - This will end date the fault period for the effective date of the Site Visit
  - The details of the Site Visit will be used to reconcile back to the previous Check Read
- Where an meter exchange is received;
  - The update will end date the fault period for the effective date of the meter removal
  - A consumption adjustment will be required to correct the consumption during the faulty period
- Where a Convertor exchange is received;
  - The update will end date the fault period for the effective date of the Convertor removal
  - The meter readings will be used to reconcile back to the previous Check Read

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# Effect of the Faulty Asset Flag – Class 3 & 4

- The fault can be set with an effective date in the past however, this will only suspend reads submitted after the fault flag is set
- If an effective date is not provided the reads received after the faulty asset flag is set with a read date equal to or greater than the fault received date will be recorded but marked as suspended.
- The ‘suspended’ reads will not be used for reconciliation or AQ process.
- To correct the consumption during the period of the fault a consumption adjustment is required
- If the fault flag is removed as set in error:
  - Where reads have been suspended and subsequently the fault flag is removed, all actual reads will be re-instated.
  - Reads re-instated will be used for Reconciliation & AQ processes.
  - Where reads are re-instated the Shipper will be notified via the URS file



# Effect of the Faulty Asset Flag – Class 3 & 4

- Where a Re-Synch is received notifying that the fault is with the DRE;
  - This will end date the fault period for the effective date of the Site Visit
  - The details of the Site Visit will be used to reconcile back to the previous Check Read
- Where an meter exchange is received;
  - The update will end date the fault period for the effective date of the meter removal
  - A consumption adjustment will be required to correct the consumption during the faulty period
- Where a Convertor exchange is received;
  - The update will end date the fault period for the effective date of the Convertor removal
  - The meter readings will be used to reconcile back to the previous Check Read

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