

Change Proposal – F40/01 (Page 1 of 2)	CP No: 807 (mandatory by BSCCo)
Title (mandatory by originator) Additional Multiplier Field in the D0268 'Half Hour Meter Technical Details'	
Description of Change (mandatory by originator) Currently a Half Hour (HH) Meter will keep in its memory a value for every half hour read, plus it will show a cumulative total on a display. These reads are subject however to conversion to show actual volumes by the use of multipliers. The Data Collector will periodically take a visual read from the meter, alongside the half hourly reads that are electronically sent to it from the meter's memory. For the period between two visual reads, the Meter Advance Register (MAR) is calculated from the sum of half hourly reads after suitable adjustments using the multipliers and should equal to within 0.1%, the difference in visual reads after suitable adjustments using multipliers. There are three multipliers that apply to some meters; however, the D0268 'Half Hour Meter Technical Details' only has two fields for the indication of multipliers. The addition of another multiplier field to the D0268 would mean that the Meter Operator could pass information concerning all of the multipliers to the relevant parties.	
Proposed Solution(s) (mandatory by originator) Add an additional field to the D0268 'Half Hour Meter Technical Details' for another multiplier, J**** New Multiplier for MAR (Description to be agreed). This would sit in the group with the other multipliers in the D0268. A DTC CP will be raised in accordance with the comments received for the description of a New Multiplier.	
Justification for Change (mandatory by originator) Scottish and Southern Energy Meter Operators currently use the pulse multiplier field to provide the data collector with the value of each pulse received by the Outstation. They believe that the correct way to achieve this data transfer would be the inclusion of the Units per Impulse (UPI) Value. Datserve are installing increasing numbers of ABB Vision meters. Those trading Half Hourly are causing D0268 related problems between Meter Operators and Data Collectors. For example, an installation has an actual meter dial resolution of x10. This according to a Data Collector should be registered as x1. (Data Item J0475 'Meter Register Multiplier') Meter Operators are applying the DTC definition of data item J0475 and are applying the meter dial resolution constant in their D0268s (10 in this case). If the value of 1 in J0475 is used, it will allow data validation by the Data Collector. However, a subsequent MAR at this site will always fail as the registered units will appear as x10 less. This is not caused by a misunderstanding in the use of the J0475, but is due to the need for an extra multiplier field. Datserve believe that a solution would be to introduce another data item Outstation Channel Multiplier as currently exists within CVA meter technical details. Thousands of ABB vision meters are being installed and therefore the addition of an extra field in the D0268 is necessary and would increase the validity of data entering Settlements.	

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Other Configurable Items Potentially Affected by Proposed Solution(s) <i>(optional by BSCCo)</i>		
Impact on Core Industry Documents <i>(optional by originator)</i> MRA Data Transfer Catalogue		
Related Changes and/or Projects <i>(mandatory by BSCCo)</i>		
Originator's Details: BCA Name Organisation Email Address Date 17th May 2002		
Attachments: N		