UMSUG Paper – Required change to the data item J0177

Problem:

MAs are now sending data to the DC via the D0379 data flow. This uses data item J2207 for the period consumption.

Item Name:	**Smart Metered Period Consumption**
Item Reference:	J2207
Item Ownership:	MRA
Item Description:	The Half Hour consumption (or generation) for a Half Hourly Metering System.
Units:	kWh, kVArh Lag, kVArh Lead
Valid Set:	Any within the constraints of the format
Validation:	As Valid Set
Domain:	Consumer Energy
Logical Format:	[± NUM(9,3)]
Physical Length:	[11]
Has Synonyms:	
Has Aliases:	
Notes:	

Working closely with Andy Jones and npower (HHDC) we've discovered that not only does the HHDC system only work to 2 decimal places, but the dataflow they send to the supplier uses data item D0177 which is 1 decimal place per period.

Item Name:	**Period Metered Consumption**
Item Reference:	J0177
Item Ownership:	MRA
Item Description:	The Half Hour consumption (or generation) for a Half Hourly Metering System.
Units:	kWh, kVArh Lag, kVArh Lead
Valid Set:	Any within the constraints of the format.
Validation:	As valid set
Domain:	Consumer Energy
Logical Format:	± NUM(7,1)
Physical Length:	9
Has Synonyms:	
Has Aliases:	
Notes:	

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Consequently, any accuracy we achieve in smaller inventories is lost, and the total consumption which appears on our clients' energy bills will not match that we report to them due to rounding each period to 1 decimal place.

Solutions:

1. Data item J0177 is amended to the same Logical Format as J2207, or
2. The data flows from the DC to the supplier (D0275 or D0036) are altered to use J2207.

Recommendation

The UMSUG is invited to review the proposed solutions and discuss the most appropriate solution to the problem.

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