Proposed changes to DTC Annex B

Create the following new data flows:

Flow Name:	Smart Equipment Work Management Request		
Flow Description:	Request to install, replace, remove or report Smart Metering System (SMS) devices or to configure/re-configure smart meters. Used for SMETS compliant meters as an equivalent to the D0142 flow.		
Flow Ownership:	MRA		
From	**To**		**Version**
Supplier	MOP		1.0

Data Items:

Reference	Item Name
J0012	Additional Information
J0174	Appointment Date
J1679	Associated Equipment Serial Number
J0386	Communications Method
J****	Device Location
J0292	Earliest Appointment Time
J****	Job Reference
J0293	Latest Appointment Time
J0410	Manufacturers Make & Type
J0004	Meter Id (Serial Number)
J0149	Meter Location
J1036	Metering Point Address Line 1
J1037	Metering Point Address Line 2
J1038	Metering Point Address Line 3
J1039	Metering Point Address Line 4
J1040	Metering Point Address Line 5
J1041	Metering Point Address Line 6
J1042	Metering Point Address Line 7
J1043	Metering Point Address Line 8
J1044	Metering Point Address Line 9
J0263	Metering Point Postcode
J****	Metering Point Unique Property Reference Number (UPRN)
J1267	Metering System Non Settlement Functionality Code
J0003	MPAN Core
J0673	Requested Energisation Status
J****	Smart Meter Manufacturer
J****	Smart Meter Model
J****	Smart Meter Version
J****	SMS Device Type
J****	SMS Action Code
J0076	Standard Settlement Configuration Id

Flow Structure:

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
tbc	MPAN Cores	1-*		G								
					1							MPAN Core
					O							Metering Point Address Line 1
					O							Metering Point Address Line 2
					O							Metering Point Address Line 3
					O							Metering Point Address Line 4
					O							Metering Point Address Line 5
					O							Metering Point Address Line 6
					O							Metering Point Address Line 7
					O							Metering Point Address Line 8
					O							Metering Point Address Line 9
					O							Metering Point Postcode
					O							Metering Point Unique Property Reference Number (UPRN)
					O							Appointment Date
					O							Earliest Appointment Time
					O							Latest Appointment Time
					O							Job Reference
tbc	SMS Device	1-*		G								
						1						SMS Device Type
						1						SMS Action Code
						O						Additional Information
tbc	Smart Meter	1	If smart meter			G						
							O					Meter Id (Serial Number)
							O					Smart Meter Manufacturer
							O					Smart Meter Model
							O					Smart Meter Version
							O					Requested Energisation Status
							O					Standard Settlement Configuration Id
							O					Metering System Non Settlement Functionality Code
							O					Meter Location
tbc	Communications Hub	1	If Communications Hub			G						
							O					Associated Equipment Serial Number
							O					Manufacturers Make & Type
							O					Device Location
							O					Communications Method
Tbc	Other SMS device	1	If In-home Display or other SMS Device			G						
							O					Associated Equipment Serial Number
							O					Manufacturers Make & Type
							O					Device Location

Notes:	

Flow Name:	**Smart Device Details**	
Flow Description:	Device details for smart metering equipment.	
Flow Ownership:	MRA	

From	To	Version
MOP	Supplier	1.0
Supplier	Distributor	1.0
Supplier	MOP	1.0
Supplier	NHHDC	1.0
Supplier	Supplier	1.0

Data Items:

Reference	Item Name
J0012	Additional Information
J1679	Associated Equipment Serial Number
J0454	CT Ratio
J****	Date of Device Installation
J****	Date of Device Removal
J0848	Date of Meter Installation
J1269	Date of Meter Removal
J****	Device Location
J1254	Effective from Settlement Date {MSMTD}
J0080	Energisation Status
J0480	Maintenance Date
J0410	Manufacturers Make & Type
J1677	Meter Asset Provider Id
J0501	Meter Current Rating
J0004	Meter Id (Serial Number)
J0419	Meter Location
J0483	Meter Type
J0003	MPAN Core
J0008	Nature of Maintenance
J****	Next Test Sample Date
J****	Smart Meter Manufacturer
J****	Smart Meter Model
J****	Smart Meter Version
J****	SMS Device Type
J****	Test Date

Flow Structure:

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
tbc	MPAN Cores	1-*		G								
					1							MPAN Core
					1							Effective from Settlement Date {MSMTD}
					1							Energisation Status
tbc	Metering Point Maintenance History	0-1		G								
						1						Maintenance Date
						1						Nature of Maintenance
tbc	Meter Details	1-*	If meter at metering point	G								
						1						Meter Id (Serial Number)
						1						Meter Current Rating
						1						Meter Location
						1						Smart Meter Manufacturer
						1						Smart Meter Model
						1						Smart Meter Version
						1						Meter Asset Provider Id
						1						Meter Type
						O						Date of Meter Installation
						O						Test Date
						O						Next Test Sample Date
tbc	CT Ratio	1	If NOT whole current meter			G						
							1					CT Ratio
tbc	Meters Removed	0-*			G							
						1						Meter Id (Serial Number)
						1						Date of Meter Removal
						1						Meter Asset Provider Id
tbc	Other smart devices installed	0-*			G							
						1						SMS Device Type
						1						Associated Equipment Serial Number
						O						Device Location
						1						Manufacturers Make & Type
						O						Date of Device Installation
tbc	Other smart devices removed	0-*			G							
						1						SMS Device Type
						1						Associated Equipment Serial Number
						O						Date of Device Removal
tbc	Meters and IHDs refused	0-*			G							
						1						SMS Device Type
						O						Additional Information

Notes:	Details of other Smart Metering System (SMS) devices should be excluded when Smart Device Details are sent to the NHHDC or Distributor. CT Ratio is not required for smart meters and has been included as an optional group for the purposes of "future-proofing".

Flow Name:	**Meter Configuration Details**
Flow Description:	Notifies how a smart meter is configured.
Flow Ownership:	MRA

From	To	Version
Supplier	Distributor	1.0
Supplier	MOP	1.0
Supplier	NHHDC	1.0
Supplier	Supplier	1.0
MOP	Supplier	1.0

Data Items:

Reference	Item Name
J****	Effective from Settlement Date {MSCD}
J1268	Effective From Settlement Date {MSNSFC}
J0300	Effective from Settlement Date {SCON}
J0080	Energisation Status
J0103	Measurement Quantity Id
J0004	Meter Id (Serial Number)
J0010	Meter Register Id
J1712	Meter Register Description
J0475	Meter Register Multiplier
J0474	Meter Register Type
J1267	Metering System Non Settlement Functionality Code
J0003	MPAN Core
J0478	Number of Register Digits
J0679	Register Mapping Coefficient
J0098	Retrieval Method
J0722	Retrieval Method Effective Date
J0076	Standard Settlement Configuration Id
J0078	Time Pattern Regime

Flow Structure:

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
tbc	MPAN Cores	1-*		G								
					1							MPAN Core
					1							Effective from Settlement Date {MSCD}
					1							Energisation Status
					1							Retrieval Method
					1							Retrieval Method Effective Date
tbc	NHH Mapping Details	1			G							
						1						Standard Settlement Configuration Id
						1						Effective from Settlement Date {SCON}
tbc	Time Pattern Regimes	1-*			G							
						1						Time Pattern Regime
tbc	Meter Details	1-*				G						
								1				Meter Id (Serial Number)
tbc	Meter Register	1-*					G					
									1			Meter Register Id
									O			Meter Register Description

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
									1			Register Mapping Coefficient
									1			Meter Register Type
									1			Measurement Quantity Id
									1			Meter Register Multiplier
									1			Number of Register Digits
tbc	Non Settlements Registers	0-1				G						
							1					Metering System Non Settlement Functionality Code
							O					Effective From Settlement Date {MSNSFC}
tbc	Meter Details	1-*					G					
								1				Meter Id (Serial Number)
tbc	Meter Register	1-*						G				
									1			Meter Register Id
									O			Meter Register Description
									1			Meter Register Type
									1			Measurement Quantity Id
									1			Meter Register Multiplier
									1			Number of Register Digits

Notes:	The Register Mapping Coefficient is required for mapping the difference between two or more physical registers' readings to a Settlement Register.

Modify the description of the D0142 flow to reference the new Smart Equipment Work Management Request flow:

Flow Name:	**Request for Installation or Change to a Metering System Functionality or the Removal of All Meters**		
Flow Description:	Request is being made and information provided to allow removal, replacement or installation of a meter. <u>Used for meters other than smart meters, for which the D**** Smart Equipment Work Management Request flow should be used.</u>		
Flow Ownership:	MRA		
From	**To**		**Version**
Supplier	MOP		2.0

Data Items:

Reference	Item Name
J0012	Additional Information
J0174	Appointment Date
J0386	Communications Method
J0292	Earliest Appointment Time
J0293	Latest Appointment Time
J1036	Metering Point Address Line 1
J1037	Metering Point Address Line 2
J1038	Metering Point Address Line 3
J1039	Metering Point Address Line 4
J1040	Metering Point Address Line 5
J1041	Metering Point Address Line 6
J1042	Metering Point Address Line 7
J1043	Metering Point Address Line 8
J1044	Metering Point Address Line 9
J0263	Metering Point Postcode
J1267	Metering System Non Settlement Functionality Code
J0003	MPAN Core
J1020	Remove Metering Point Meters
J0673	Requested Energisation Status
J0098	Retrieval Method
J0076	Standard Settlement Configuration Id

Flow Structure:

Group	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Item Name
267	MPAN Cores	1-*		G								
					1							MPAN Core
					O							Metering Point Address Line 1
					O							Metering Point Address Line 2
					O							Metering Point Address Line 3
					O							Metering Point Address Line 4
					O							Metering Point Address Line 5
					O							Metering Point Address Line 6
					O							Metering Point Address Line 7
					O							Metering Point Address Line 8
					O							Metering Point Address Line 9
					O							Metering Point Postcode
					O							Appointment Date
					O							Earliest Appointment Time
					O							Latest Appointment Time
					1							Retrieval Method

				O						Communications Method
				1						Requested Energisation Status
				O						Standard Settlement Configuration Id
				O						Additional Information
				O						Remove Metering Point Meters
				O						Metering System Non Settlement Functionality Code

Notes:	Though all of the address data items included in this flow are defined within the structure as being optional, the address itself is mandatory and must be included in the flow. The use of any individual address item cannot be made mandatory as, in the absence of an agreed address structure for all flows, an address may be constructed from any combination of the Address Line and Postcode items.