

**UNIFORM NETWORK CODE MODIFICATION 0389
POINTS OF TELEMETRY
LEGAL TEXT**

OAD Annex E-1

Insert a new paragraph (d) as follows:

- (d) Information may be provided under 'Comments' in relation to Minimum Requirements and/or Site-Specific Options

Delete the table in Annex E-1 and replace as follows:

Analogues

Point Name	Minimum Requirement	Site Specific Option	Comments
Feeder/Inlet pressure	Yes		
Outlet Pressure	Yes		
Station Flow	Yes		
Instantaneous Volume Flow	Yes		
Instantaneous Energy Flow	Yes		
<u>Outlet</u> Gas Temperature	Yes	<u>Yes</u>	Except tracker sites
Calorific Value	Yes		
Specific Gravity <u>Relative Density</u>	Yes		
Nitrogen	Yes		Except T <u>Tracker-only</u> sites
Carbon Dioxide	Yes		Except T <u>Tracker-only</u> sites
Wobbe	Yes		Except T <u>Tracker-only</u> sites
24 Hour Average CV	Yes		
24 Hour Average SGRD	Yes		
Orifice <u>Standby</u> Differential Pressure	Yes	<u>Yes</u>	<u>ODPn Only if fitted</u>
<u>Orifice Meter 'In Use'</u> Differential Pressure	Yes	<u>Yes</u>	<u>METER_DPN</u>
Flow <u>Meter</u> Temperature	Yes	<u>Yes</u>	Except tracker sites
Compressibility	Yes	<u>Yes</u>	Except tracker sites
Filter Differential Pressure		Yes	

**UNIFORM NETWORK CODE MODIFICATION 0389
POINTS OF TELEMETRY
LEGAL TEXT**

--	--	--	--

Digitals

Point Name	Minimum Requirement	Site Specific Option	Comments
Power	Yes		Mains/Phase Fail
Charger	Yes		
Site UPS		Yes	
Gas Quality System UPS	Yes		
Gas Quality System Alarm	Yes		SYSTEMn
Generator Alarm		Yes	
Generator Available		Yes	
Generator Bypass		Yes	
Generator Trip		Yes	
Generator Running		Yes	
Generator Status		Yes	
Barrier		Yes	
Local Comms Link Status		Yes	
RTU Fault		Yes	
Watchdog		Yes	Includes Computer alarm
Filter	Yes	Yes	
Maintenance Key		Yes	
Intruder	Yes	Yes	
Metering Alarm	Yes		MTR_SUSP
Meter Stream Change		Yes	
Meter Temperature Valve Position		Yes	
Status Local/Remote		Yes	If fitted with remotely operable valves controlled by National Grid NTS
Pressure Override Alarm		Yes	

**UNIFORM NETWORK CODE MODIFICATION 0389
POINTS OF TELEMETRY
LEGAL TEXT**

RTU Fault		Yes	
Watchdog		Yes	
CV Not Valid	Yes	<u>Yes</u>	<u>Where fitted</u>
CV Not Attributable	Yes	<u>Yes</u>	Except tracker sites <u>Where fitted</u>
Outstation Comms Status	Yes	<u>Yes</u>	<u>Scada Link Telemetry only</u>
Comms Routing Status	Yes	<u>Yes</u>	<u>Scada Link Telemetry only</u>
Local Comms Link Status		Yes	
<u>Valve position of all remotely operable valves</u>		<u>Yes</u>	<u>Valves operated by National Grid NTS and Distribution Networks for inlet isolation to be provided where control facilities are necessary but no NTS Physical Telemetry Facilities exist</u>

Valve Monitoring/Control

Point Name	Minimum Requirement	Site Specific Option	Comments
Control function for remotely operable valves operated by National Grid NTS	Yes		<u>To be provided where control facilities are necessary but no NTS Physical Telemetry Facilities exist</u>
Valve position of all remotely operable valves	Yes		Valves operated by National Grid NTS and Distribution Networks for inlet isolation

Integrators

Point Name	Minimum Requirement	Site Specific Option	Comments
<u>Offtake</u> Volume Integrator	Yes		

UNIFORM NETWORK CODE MODIFICATION 0389
POINTS OF TELEMETRY
LEGAL TEXT

Offtake Energy Integrator	Yes	Yes	Where fitted
Fuel Gas for Pre-Heater Volume Integrator		Yes	
Fuel Gas for Pre-Heater Energy Integrator		Yes	

