Measurement Assurance and Certification Scotland

Operator specific criteria documents:

MACS-OP-01, MACS-OP-02, MACS-OP-03, MACS-OP-04, MACS-OP-05, MACS-OP-06 and MACS-OP-07

Addendum A

In advance of the introduction of a web service for data submission in 2018, 'Table B1a – Core dataset specification: Web service submissions' is to be inserted into **all** currently published MACS Operator specific criteria documents. Its content is presented on subsequent pages of this addendum.

In addition, the following minor amendments to content are to be made to **all** currently published MACS Operator specific criteria documents:

i. '*Table B1 – Core dataset specification: Excel submissions*' is retitled '*Table B1b – Core dataset specification: Excel submissions*'

ii. The following explanatory note is inserted against the 'Sampled date/time' attribute in retitled Table B1b:

"*When submitting cancellation of an intermittent discharge, the 'sampled date/time' submitted should be that of the last attempted sample collection.*"

SEPA
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Table B1a – Core dataset specification: Web service submissions

Attribute	Tag	Value	Value: mandatory?	Value: Oracle data type	Notes
Operator name	<operator>	*TBD‡*	Y	VARCHAR2	Standard value issued by SEPA. Verifies the source of a data submission.
Location code	<locCode>	e.g. 6999	Y	NUMBER	In returning data to SEPA, the operator must use the 'LOCATION' code identified in their AMP.
Scheduled sampling date	<schedDate>	e.g. 02/05/16	N	DATE	Where the sample is an additional sample and hence does not have an agreed scheduled date, then no value is to be submitted.
Sampled date/time	<sampDateTime>	e.g. 04/08/16 11:08	Y	DATE	When submitting cancellation of an intermittent discharge, the sampled date/time submitted should be that of the last attempted sample collection.
Determinand	<determinand>	e.g. Biochemical Oxygen Demand - ATU suppressed	Y	VARCHAR2	In returning data to SEPA, the operator must use the 'DETERMINAND' names identified in their AMP. For further detail on submission of non-analytical determinands, see Table B2.
Qualifier	<qualifier>	< or >	N	VARCHAR2	
Value	<value>	e.g. 45.6	N	VARCHAR2	If the result has been cancelled, then no value is to be submitted.
Unit	<unit>	e.g. MGL	Y	VARCHAR2	In returning data to SEPA, the operator must use the 'UNIT' names identified in their AMP.
Accredited	<accred>	T or F	Y	BOOLEAN	'T' = ISO/IEC 17025 accredited result. 'F' = unaccredited result.
Subcontracted	<subcontracted>	T or F	Y	BOOLEAN	'T' = subcontracted result. 'F' = in-house result.

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Attribute	Tag	Value		Value: mandatory?	Value: Oracle data type	Notes
Non-conformance reason code	<ncReason>	**Value**	**Associated reason**	N	NUMBER	Where provided, the submission must use the '*Value*' listed against the appropriate '***Associated reason***'.
		1	Sample bottle incorrect			
		2	Sample bottle incorrectly filled			
		4	Sample bottle damaged in transit (to lab)			
		5	Sample contaminated			
		6	Sample bottle damaged in transit (between labs)			
		7	Sample bottle stored incorrectly			
		8	Sample preservation incorrect			
		9	Sample deterioration			
		10	Sample bottle delivery time target exceeded			
		11	Determinand analytical time target exceeded at receipt			
		12	Determinand preparation time target exceeded at receipt			
		13	Sample prep. delayed beyond determinand preparation time target			
		14	Sample analysis delayed beyond determinand analytical time target			
		15	Sample bottle damaged within analysing laboratory			

Attribute	Tag	Value		Value: mandatory?	Value: Oracle data type	Notes
		16	Sampler not accredited			
		17	Result associated with QC failure			
		18	Other MACS AQC requirement not met			
Sampling delay reason code	<delayReason>	Value	Associated reason	N	VARCHAR2	If '*Scheduled sampling date*' ≠ '*Sampled date*' (with time removed) then a delay reason is expected. Where provided, the submission must use the '*Value*' listed against the appropriate '*Associated reason*'. The requirement to supply a delay reason is also applicable to samples collected prior to the agreed scheduled date. Data submitted from additional samples must not be supplied with a delay reason applied.
		A	No discharge			
		B	No access available			
		C	Bottle broken prior to receipt in lab			
		D	Autosampler issue			
		E	Vehicle breakdown			
		F	Unexpected staff absence			
		G	Adverse weather			
		H	Autosampler empty			
		I	Other reason (recorded in field comments)			
Operator reference	<operatorRef>	e.g. 334990499		Y	VARCHAR2	Value defined by the operator; to be used by all parties to facilitate discussion when required e.g. where a submission is associated with a concession request, or has issues/errors. It is suggested that this should be either the unique identifier of the result or of the sample.

‡ The required value for the 'Operator name' attribute is unique to each individual operator; and is specified in the current active version of each Operator's specific criteria document.