



LMAS 09.50 Annex C

PRE-TEST CONDITIONS

Responsible Local entity:

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Note:

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MECHANICAL TEST AND EVALUATION (T&E)
PRE-TEST CONDITIONS

GENERAL

MINE ACTION ORGANISATION

Organisation	Name	Position	Department / Unit

DATE:

MACHINE IDENTIFICATION

Make / Model	Engine No	Chassis No	Designated No

MACHINE CATEGORY

Detonation	Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Detection	Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Ground Preparation	Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Mine Protected Vehicle (MPV)	Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>
Other ()	Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>

The following information should be provided to the SMACO by the manufacturer or Mine Action Organisation before any in country testing is conducted:

ALL DATA				
Ser	Specification	Performance	Remarks	Confirmed
1	Driving speed	km/h		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
2	Capacity for vegetation cutting in light & heavy vegetation	m ² /h		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>

3	Operating speed			Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
4	Operating speed and demining depth / in varying terrain	metres/min-cm		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
5	Contouring system		Description	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
6	Speed control system		Description	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
7	Maximum & minimum operating temperature			Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
8	Maximum & minimum operating range from remote control unit	metres	Mode of operating when out of range or in case of communication failure	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
9	Maximum ascending slope while operating	degrees		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
10	Maximum descending slope while operating	degrees		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
11	Maximum traversing slope while operating	degrees		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
				== == ==

12	Height	metres		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
13	Weight	tonnes		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
14	Daily servicing schedule	hours	Machine working hours	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
15	Transportability		Shortest distances - by itself km. Longer distances - transport requirements.	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
16	Documentation requirements		Users manual. Service & repair documents. Wiring diagram.	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>

			Spare part catalogue. Failure mode effects & criticality analysis (FMECA) if available. Consumption records. Service maintenance schedules.	
17	Protection			Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>

	Machine survivability Crew survivability (where applicable)		Description of armour with supporting Documents. Description of crew escape routes and fire suppression.	
18	Reliability. The machine shall operated under load for minimum of 48 hours over a 6 consecutive days.	time/depth/m ²	Records of: Fuel consumption oils and coolant temperatures taken hourly. Spare parts used. Consumables. Failures. Maintenance. Soil and vegetation conditions reported.	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
VEHICLE DATA				
19	Turning circle	metres	Minimum turning radius.	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
20	Length	metres		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
21	Width	metres		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
22	Maximum fording depth	metres		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>
23	Gap crossing capability	metres		Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>

			Width of a ditch which a machine can traverse.						
24	Axle weights	tonnes		Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>
25	Wheel spacing	metres		Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>
26	Wheel/track footprint	mm x mm		Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>
27	Ground bearing pressure	kPa		Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>
28	Power requirement to drive the vehicle (if available)	kW	On flat ground without the tool in operation.	Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>
29	Engine power at the flywheel	kw		Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>
30	Fuel consumption under normal operation	litres/hour		Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>
31	Fuel tank capacity	litres		Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>
TOOL DATA									
32	Demining width	metres		Y	<input type="checkbox"/>	N	<input type="checkbox"/>	N/A	<input type="checkbox"/>

33	Maximum angle of depression	degrees		Y <input type="checkbox"/>	N <input type="checkbox"/>	N/A <input type="checkbox"/>
34	Maximum angle of elevation	degrees		Y <input type="checkbox"/>	N <input type="checkbox"/>	N/A <input type="checkbox"/>
35	Tool width	metres		Y <input type="checkbox"/>	N <input type="checkbox"/>	N/A <input type="checkbox"/>
36	Beat pattern	hits per m ²		Y <input type="checkbox"/>	N <input type="checkbox"/>	N/A <input type="checkbox"/>
37	Power at the working tool	kW		Y <input type="checkbox"/>	N <input type="checkbox"/>	N/A <input type="checkbox"/>
38	Tool operating speed		Where applicable	Y <input type="checkbox"/>	N <input type="checkbox"/>	N/A <input type="checkbox"/>

ADDITIONAL INFORMATION (E.g. specifications, proposed deployment)

Insert Diagram or Photo if required



Checked by: Organisation

Name

Position

Date: