

Contract No: **WP/19/0031**Contract Name: **Havant BR**Doc No: **PGI-PMS 1308**Revision **3**

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Document
Title:**Erecting and De-Erecting the Masts on 5000 Series Rigs****1.0 Purpose and Scope**

- 1.1 This Method Statement defines the Company Standard Procedure for the setting up and taking down of the mast on a 5000 Series Rig.

2.0 Health and Safety Controls

- 2.1 See all relevant Risk Assessments

3.0 Environmental Controls

- 3.1 Operational working hours are stated on the Prestart Site Inspection Form.
- 3.2 COSHH Assessments must be available for all hazardous items used.
- 3.3 Fuel and Oil spill must be cleared as soon as possible. All spills must be reported.
- 3.4 All waste must be disposed of via the correct means.
- 3.5 Vehicle engines must be turned off when not in use.

4.0 Process**4.1 Erect the Machine**

- 4.1.1 Refer to Operator's handbook for rig control.
- 4.1.2 Position the rig on firm, level ground, ensuring clear access to access from rig.
- 4.1.3 Ensure area is clear from overhead obstructions.
- 4.1.4 Disengage mechanical slew lock.
- 4.1.5 Start the rig engine, energise hydraulic system and select "low" engine revs.
- 4.1.6 Depress "Assist"/Erect Out" button on main control box, ensure corresponding LED illuminates.
- 4.1.7 Adopt a position to observe rig, mast, steel wire ropes and hydraulic hoses.

Prepared by:				
	Name	Signature	Position	Date



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4.1.8 Depress and hold down handset button “7” until the erect cylinders are fully extended. If the mast veers to one side, use “Rake” function to correct position.

4.1.9 Depress “Boom Down” button on main control box, ensure corresponding LED illuminates.

4.1.10 Depress and hold down handset button “7” until boom cylinders are fully retracted.

4.1.11 Depress “Off” button on main control box.

4.1.12 Operate left and right “Rake” controls to move mast into the vertical position.

4.2 De-Rig the Machine

4.2.1 Refer to Operator’s handbook for rig control.

4.2.2 Position the rig on firm, level ground, ensuring clear access to aggress from rig.

4.2.3 Ensure area is clear from overhead obstructions.

4.2.4 Start the rig engine, energise hydraulic system and select “low” engine revs.

4.2.5 Operate “Main Winch Lower” and lower hammer assembly until lower slide pack engages with mast physically stops.

4.2.6 Move hammer stop bars to “Transport” position.

4.2.7 Operate left and right “Rake Retract” controls and fully retract the rake cylinders.

4.2.8 Depress “Boom Up” and “Erect In” buttons on main control box, ensure corresponding LED illuminate.

4.2.9 Depress and hold handset button “7”, until erect cylinders are retracted and boom cylinders are extended.

4.2.10 Observe mast and operate “Rake” functions if required to ensure that mast pockets lands on assist cylinder tip.

4.2.11 Depress “Assist” button on main control box and ensure corresponding LED illuminates.



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4.2.12 Depress and hold button “7” until the assist cylinder has fully retracted.

4.2.13 Depress “Off” button on main control box.

4.2.14 Move winch lock out switch to “Winch Lockout” position.

4.2.15 Engage mechanical slew lock