

DESIGNERS RISK ASSESSMENT

RED UNCOMMON HAZARDS & RISKS CATEGORIZED AS HIGH OR EXTREME:

BY: J.HALLETT

OK TO PROCEED PROVIDING SPECIFIC HAZARDS AND RISKS ON THIS DRAWING HAVE BEEN RECOGNISED, ACKNOWLEDGED AND UNDERSTOOD. SITE OPERATIVES MAY REQUIRE ADDITIONAL INSTRUCTION AND/OR TRAINING.

DATE: 30/09/2020

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GREEN COMMON HAZARDS & RISKS FAMILIAR TO A COMPETENT STAKEHOLDER:

WHITE NO CONSTRUCTION WORKS ASSOCIATED WITH THIS

BK35/21211 (MXM866-59) GA & ED OF TOWER TYPE L8(c) DT GA & ED OF BOTTOM CROSSARM FOR L8(c) DT GA & ED OF MIDDLE CROSSARM FOR L8(c) DT

U) 132kV UPRIGHT LOW DUTY TENSION SET

- 1. MINIMUM CLEARANCE FROM LIVE METAL TO TOWER OR EARTHED FITTINGS STILL AIR AT MÁXIMUM RATED TEMPERATURE 3 YEAR WIND SWUNG CONDUCTOR AT 34° FROM VERTICAL
- 2. DOWNLEAD CLEARANCES CHECKED IN ACCORDANCE WITH ENATS 43-125.
- 1500mm ON CONSIDERATION OF SWUNG CONDITIONS
- OPERATING TEMPERATURE OF 75°C AS PER WPD REQUEST TO
- 5. ALL CLEARANCES EXCEED THE MINIMUM REQUIREMENTS IN ACCORDANCE
- 6. NEW DOWNLEAD PHASE CONDUCTOR IS 1 x 400mm² ACSR ZEBRA.
- 7. TWIN-SINGLE JUMPER CONNECTOR DETAILS TO BE CONFIRMED FOLLOWING
- 8. ALL CLEARANCES CONFIRMED WITH 3D MODELLING. CLEARANCES DENOTED WITH A DISTANCE CANNOT BE SCALED OFF THE DRAWING.MINIMUM
- 9. CONDUCTOR DEPARTURE ANGLES BASED UPON GROUNDLINE PLS-CADD
- 3.0kN @ 15°C (INCLUDING ALLOWANCE FOR INSULATOR SET WEIGHTS) AND SHOWN AT MAXIMUM OPERATING TEMPERATURE OF 75°C. REFER TO GROUNDLINE DESIGN DOCUMENT UK0015-CHT-001.
- 11. PROPOSED GANTRY LOCATIONS, ORIENTATIONS AND LEVELS BASED UPON WPD SITE LAYOUT DRAWING SH41-103-026. CIRCUIT 1 GANTRY RE-ORIENTATED
- 12. GANTRIES HAVE BEEN MODELLED AS STICK FIGURES AS GANTRY DESIGNS
- 13. CIRCUIT NAMES AND SUBSTATION PHASE COLOURS TAKEN FROM WPD SITE
- 14. TOWER PHASE COLOURS TAKEN FROM WPD LINE SCHEMATIC SH41-209-001.

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2	CCT1 BOTTOM XARM EXT ADDED	ВС	RTM/JH	RMJB	16/10/20
1	FIRST ISSUE	ВС	RTM/JH	RMJB	30/9/20
REV	REVISION DESCRIPTION	DRN	CHK'D	APP	DATE
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WESTERN POWER **DISTRIBUTION**

AA-ROUTE

132kV WIRE CLEARANCE DIAGRAM AND DOWNLEAD ARRANGEMENT

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UK0015-DRG-007-V2 REV 2 DRAWING NUMBER THIS DRAWING IS TO BE USED FOR THE PURPOSE IT HAS BEEN PROVIDED, BY THE PERSON TO WHOM IT HAS

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