

| ID | Task Mode | % Work Complete | Task Name | Duration | Start | Finish | Predecessors |
|----|-----------|-----------------|--|-----------|--------------|--------------|--------------|
| 1 | | 0% | SANSA-FRQ 50Hz Electrical Power Conversion | 182 days? | Tue 03/03/20 | Fri 20/11/20 | |
| 2 | | 100% | Pre-Design Stage | 7 days | Tue 03/03/20 | Wed 11/03/20 | |
| 5 | | 100% | Design Stage | 6 days | Tue 03/03/20 | Tue 10/03/20 | |
| 9 | | 0% | PHASE 1 TESTING AND PREPARATION | 158 days? | Tue 03/03/20 | Mon 19/10/20 | |
| 10 | | 0% | Antenna and Equipment Testing | 92 days? | Tue 03/03/20 | Wed 15/07/20 | |
| 11 | | 100% | HBK_17 KU IOT | 2 days | Tue 03/03/20 | Wed 04/03/20 | |
| 14 | | 0% | HBK_07 KU DBS | 2 days | Thu 05/03/20 | Fri 06/03/20 | |
| 15 | | 100% | Pre-Checks | 1 day | Thu 05/03/20 | Thu 05/03/20 | 13 |
| 16 | | 50% | Tests | 1 day | Fri 06/03/20 | Fri 06/03/20 | 15 |
| 17 | | 100% | HBK_02 12m | 2 days | Mon 09/03/20 | Tue 10/03/20 | |
| 20 | | 100% | HBK_5.4m | 1 day | Tue 10/03/20 | Tue 10/03/20 | |
| 23 | | 100% | HBK_05 10m | 1 day | Wed 11/03/20 | Wed 11/03/20 | |
| 26 | | 100% | HBK_C15/K09 | 2 days | Fri 13/03/20 | Mon 16/03/20 | |
| 29 | | 100% | HBK_Orbcomm | 2 days | Mon 16/03/20 | Tue 17/03/20 | |
| 32 | | 100% | HBK_C18/K28/C30 | 2 days | Wed 18/03/20 | Thu 19/03/20 | |
| 35 | | 100% | HBK_C31/K35 | 2 days | Fri 20/03/20 | Mon 23/03/20 | |
| 38 | | 100% | HBK_7.3m | 2 days | Mon 11/05/20 | Tue 12/05/20 | |
| 41 | | 100% | HBK_SKYTRACKS | 2 days | Tue 12/05/20 | Wed 13/05/20 | |
| 44 | | 100% | HBK_EGNOS/HMO | 2 days | Mon 18/05/20 | Tue 19/05/20 | |
| 47 | | 100% | HBK_SPIRE/CUBESAT | 2 days | Mon 01/06/20 | Tue 02/06/20 | |
| 50 | | 100% | HBX_CNES | 2 days | Tue 09/06/20 | Wed 10/06/20 | |
| 53 | | 100% | HBK_KSAT | 2 days | Mon 15/06/20 | Wed 17/06/20 | |

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

| Task | Inactive Summary | External Tasks |
|--------------------|------------------|----------------|
| Split | | |
| Milestone | | |
| Summary | | |
| Project Summary | | |
| Inactive Task | | |
| Inactive Milestone | | |

| ID | Task Mode | % Work Complete | Task Name | Duration | Start | Finish | Predecessors |
|----|-----------|-----------------|-------------------------|----------------|---------------------|---------------------|--------------|
| 56 | | 0% | HBK_AVANTI | 2 days | Tue 14/07/20 | Wed 15/07/20 | |
| 57 | | 0% | Pre-Checks | 1 day | Tue 14/07/20 | Tue 14/07/20 | |
| 58 | | 0% | Tests | 1 day | Wed 15/07/20 | Wed 15/07/20 | 57 |
| 59 | | 0% | HBK_QZSS | 0 days? | Tue 03/03/20 | Tue 03/03/20 | |
| 60 | | 0% | Pre-checks | | | | |
| 61 | | 0% | Tests | | | | |
| 62 | | 0% | HBK_EUTELSAT | 0 days? | Tue 03/03/20 | Tue 03/03/20 | |
| 63 | | 0% | Pre-Checks | | | | |
| 64 | | 0% | Tests | | | | |
| 65 | | 0% | HBK_Immarsat | 0 days? | Tue 03/03/20 | Tue 03/03/20 | |
| 66 | | 0% | Pre-Checks | | | | |
| 67 | | 0% | Tests | | | | |
| 68 | | 0% | HBK_08 Ka Band | 0 days? | Tue 03/03/20 | Tue 03/03/20 | |
| 69 | | 0% | Pre-Checks | | | | |
| 70 | | 0% | Tests | | | | |
| 71 | | 0% | HBK_MODIS | 0 days? | Tue 03/03/20 | Tue 03/03/20 | |
| 72 | | 0% | Pre-Checks | | | | |
| 73 | | 0% | Tests | | | | |
| 74 | | 0% | HBK_OPS ROOM | 0 days? | Tue 03/03/20 | Tue 03/03/20 | |
| 75 | | 0% | Pre-Checks | | | | |
| 76 | | 0% | Tests | | | | |
| 77 | | 0% | Preparation Work | 54 days | Mon 03/08/20 | Mon 19/10/20 | |

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

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|--------------------|--|-----------------------|--|--------------------|--|
| Task | | Inactive Summary | | External Tasks | |
| Split | | Manual Task | | External Milestone | |
| Milestone | | Duration-only | | Deadline | |
| Summary | | Manual Summary Rollup | | Progress | |
| Project Summary | | Manual Summary | | Manual Progress | |
| Inactive Task | | Start-only | | | |
| Inactive Milestone | | Finish-only | | | |

| ID | Task Mode | % Work Complete | Task Name | Duration | Start | Finish | Predecessors |
|----|-----------|-----------------|--|-----------|--------------|--------------|--------------|
| 78 | | 0% | Run on back-up generators. Switch off red panel | 1 day | Mon 03/08/20 | Mon 03/08/20 | |
| 79 | | 0% | Disconnect gen-house DB power cable in beige panel, reroute to Q7 in red panel. | 1 day | Tue 04/08/20 | Tue 04/08/20 | 78 |
| 80 | | 0% | Switch on red panel, stop generators. | 0 days | Tue 04/08/20 | Tue 04/08/20 | |
| 81 | | 0% | Organize shut down | 0 days | Wed 05/08/20 | Wed 05/08/20 | |
| 82 | | 0% | Move oil breakers to E-bus at old switchgear. | 2 days | Wed 05/08/20 | Thu 06/08/20 | |
| 83 | | 0% | Ensure all sansa 400Volt transformers are fed from e-bus at old switchgear. | 0 days | Thu 06/08/20 | Thu 06/08/20 | |
| 84 | | 0% | Switch off and lock – out cable from U transformer to HBX field Transformer. | 0 days | Thu 06/08/20 | Thu 06/08/20 | |
| 85 | | 0% | Switch on secondary MV breaker at HBX transformer, close Bus coupling switch at Transfer switch. | 0 days | Thu 06/08/20 | Thu 06/08/20 | |
| 86 | | 0% | Ensure Phase rotation is Anti clockwise at HBX TX 400V side, switch on loads. | 0 days | Thu 06/08/20 | Thu 06/08/20 | |
| 87 | | 0% | Install & Commission Transfer Switch | 2 days | Fri 09/10/20 | Mon 12/10/20 | |
| 88 | | 0% | PHASE 0_Procurement | 142 days? | Wed 18/03/20 | Mon 12/10/20 | |
| 89 | | 0% | Procurement of GENERATORS | 117 days | Fri 24/04/20 | Mon 12/10/20 | |
| 90 | | 100% | Supply Chain Process | 1 day | Fri 24/04/20 | Fri 24/04/20 | |

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

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| Project Summary | Manual Summary | Manual Progress |
| Inactive Task | Start-only | |
| Inactive Milestone | Finish-only | |

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|-----|-----------|-----------------|--|-----------------|---------------------|---------------------|--------------|
| 91 | | 50% | Placement of Order | 35 days | Fri 10/07/20 | Fri 28/08/20 | |
| 92 | | 0% | Supplier Manufacture Time | 28 days | Mon 31/08/20 | Thu 08/10/20 | 91 |
| 93 | | 0% | Delivery Time | 2 days | Fri 09/10/20 | Mon 12/10/20 | 92 |
| 94 | | 0% | Procurement of Transformers | 117 days | Fri 24/04/20 | Mon 12/10/20 | |
| 95 | | 100% | Supply Chain Process | 1 day | Fri 24/04/20 | Fri 24/04/20 | |
| 96 | | 50% | Placement of Order | 35 days | Fri 10/07/20 | Fri 28/08/20 | |
| 97 | | 0% | Supplier Manufacture Time | 28 days | Mon 31/08/20 | Thu 08/10/20 | 96 |
| 98 | | 0% | Delivery Time | 2 days | Fri 09/10/20 | Mon 12/10/20 | 97 |
| 99 | | 0% | Procurement of Circuit Breakers, Cables and Electrical spares | 58 days | Fri 24/04/20 | Fri 17/07/20 | |
| 100 | | 100% | Supply Chain Process | 1 day | Fri 24/04/20 | Fri 24/04/20 | |
| 101 | | 100% | Placement of Order | 22 days | Tue 28/04/20 | Thu 28/05/20 | 100 |
| 102 | | 50% | Supplier Manufacture Time | 34 days | Fri 29/05/20 | Thu 16/07/20 | 101 |
| 103 | | 0% | Delivery Time | 1 day | Fri 17/07/20 | Fri 17/07/20 | |
| 104 | | 0% | Procurement of Test Equipment (30kVA Transformer) | 73 days? | Wed 01/04/20 | Fri 17/07/20 | |
| 105 | | 100% | Supply Chain Process | 1 day | Wed 01/04/20 | Wed 01/04/20 | |
| 106 | | 100% | Placement of Order | 9 days | Mon 29/06/20 | Thu 09/07/20 | |
| 107 | | 0% | Supplier Manufacture Time | 5 days | Fri 10/07/20 | Thu 16/07/20 | 106 |
| 108 | | 0% | Delivery Time | 1 day | Fri 17/07/20 | Fri 17/07/20 | 107 |
| 109 | | 100% | Procurement of Antenna Equipment | 53 days | Wed 18/03/20 | Thu 04/06/20 | |
| 110 | | 100% | HBK_07 KU DBS/02 12m Multifunction Inverters | 40 days | Wed 18/03/20 | Mon 18/05/20 | |

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

| ID | Task Mode | % Work Complete | Task Name | Duration | Start | Finish | Predecessors |
|-----|-----------|-----------------|---|----------|--------------|--------------|--------------|
| 115 | | 100% | HBK_C15 Air Conditioner | 43 days | Wed 01/04/20 | Thu 04/06/20 | |
| 116 | | 100% | Supply chain Process | 1 day | Wed 01/04/20 | Wed 01/04/20 | |
| 117 | | 35% | Placement of Order | | | | |
| 118 | | 0% | Supplier Manufacture Time | | | | |
| 119 | | 0% | Delivery Time | | | | |
| 120 | | 100% | HBK_C31 Fire Panel Motherboard & Batteries | 43 days | Wed 01/04/20 | Thu 04/06/20 | |
| 125 | | 0% | PHASE 2_ PREPARATION FOR TEMPORARY 50Hz (INSTALLATION OF U-BUS TRANSFORMER) | 2 days | Tue 13/10/20 | Wed 14/10/20 | |
| 126 | | 0% | Disconnect 400V supply to u-bus transformer & Aux. transformer at gen-house. | 0 days | Tue 13/10/20 | Tue 13/10/20 | 98 |
| 127 | | 0% | Disconnect MV cable and remove old transformers and cables. | 0 days | Tue 13/10/20 | Tue 13/10/20 | |
| 128 | | 0% | Place new transformer (Use of Crane) | 1 day | Tue 13/10/20 | Tue 13/10/20 | 127 |
| 129 | | 0% | Connect temporary cables from U-bus transformer to generator. Leave enough slack to re-route to new change-over panel | 0 days | Wed 14/10/20 | Wed 14/10/20 | 128 |
| 130 | | 0% | Cable trenching and jointing of HT cable and connection to U-bus Mini-sub | 1 day | Wed 14/10/20 | Wed 14/10/20 | 129 |
| 131 | | 0% | PHASE 3_ Installation of Rental Generator | 2 days | Tue 13/10/20 | Wed 14/10/20 | |

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

| Task | Inactive Summary | External Tasks |
|--------------------|------------------|----------------|
| Split | | |
| Milestone | | |
| Summary | | |
| Project Summary | | |
| Inactive Task | | |
| Inactive Milestone | | |

| ID | Task Mode | % Work Complete | Task Name | Duration | Start | Finish | Predecessors |
|-----|-----------|-----------------|---|----------|--------------|--------------|--------------|
| 132 | | 0% | Get temporary cables ready from rental 50Hz generator to HartRAO Transformer. | 0 days | Tue 13/10/20 | Tue 13/10/20 | 98 |
| 133 | | 0% | Place generator next to cable store building. | 0 days | Tue 13/10/20 | Tue 13/10/20 | |
| 134 | | 0% | Optional : connect temporary fuel line to gen-unit from day tank. | 0 days | Tue 13/10/20 | Tue 13/10/20 | |
| 135 | | 0% | Connect temporary cables on HARTRAO Tx, switch on and check phasing to generator. | 0 days | Tue 13/10/20 | Tue 13/10/20 | |
| 136 | | 0% | Connect temporary Tx cables to generator. | 1 day | Wed 14/10/20 | Wed 14/10/20 | 135 |
| 137 | | 0% | Switch on U-bus transformer. | 0 days | Wed 14/10/20 | Wed 14/10/20 | |
| 138 | | 0% | Test run 50 HZ system. Test safety devices on Mini substation. | 1 day | Wed 14/10/20 | Wed 14/10/20 | 137 |
| 139 | | 0% | PHASE 4_ ORGANIZE SHUT DOWN | 11 days | Mon 12/10/20 | Mon 26/10/20 | |
| 140 | | 0% | Ensure HRAO readiness | 3 days | Tue 13/10/20 | Thu 15/10/20 | |
| 141 | | 0% | Ensure site readiness for 50Hz | 1 day | Mon 26/10/20 | Mon 26/10/20 | 130 |
| 142 | | 0% | Co-ordinate with clients to organize general shut-down dates | 2 wks | Mon 12/10/20 | Fri 23/10/20 | |
| 143 | | 0% | PHASE 5_ 60-50Hz SWITCH OVER DAY 1_ HBX (CNES), KSAT, ORBCOMM | 1 day | Tue 27/10/20 | Tue 27/10/20 | |
| 144 | | 0% | Shut Down clients. | 0 days | Tue 27/10/20 | Tue 27/10/20 | 141 |

Task Inactive Summary

Split Manual Task

Milestone Duration-only

Project Summary Manual Summary

Inactive Task Start-only

Inactive Milestone Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

| ID | Task Mode | % Work Complete | Task Name | Duration | Start | Finish | Predecessors |
|-----|-----------|-----------------|--|----------|--------------|--------------|--------------|
| 145 | | 0% | Switch off Bus coupler at Transfer switch, neutralize MV Voltage on U bus cable | 0 days | Tue 27/10/20 | Tue 27/10/20 | 144 |
| 146 | | 0% | Switch UPS's to manual by-pass | 0 days | Tue 27/10/20 | Tue 27/10/20 | |
| 147 | | 0% | Switch on U transformer and incomer at HBX TX | 0 days | Tue 27/10/20 | Tue 27/10/20 | |
| 148 | | 0% | Ensure Phase rotation is anti-clockwise on 400V | 0 days | Tue 27/10/20 | Tue 27/10/20 | 147 |
| 149 | | 0% | Re-program UPS's to run on 50 Hz and put on load | 0 days | Tue 27/10/20 | Tue 27/10/20 | 148 |
| 150 | | 0% | Start-up clients | 1 day | Tue 27/10/20 | Tue 27/10/20 | |
| 151 | | 0% | PHASE 6_60-50Hz SWITCH OVER DAY 2_Minitrak (EGNOS, HMO, SKYTRACKS) & S.A.T.A.N. (SPIRE, CUBESAT) | 1 day | Wed 28/10/20 | Wed 28/10/20 | |
| 152 | | 0% | Switch off clients | 0 days | Wed 28/10/20 | Wed 28/10/20 | |
| 153 | | 0% | Switch UPS's to manual by-pass | 0 days | Wed 28/10/20 | Wed 28/10/20 | |
| 154 | | 0% | Move Minitrak and S.A.T.A.N. oil breaker to 0 days U bus and switch on | 0 days | Wed 28/10/20 | Wed 28/10/20 | |
| 155 | | 0% | Check phase rotation at Tx's switch on 400V | 0 days | Wed 28/10/20 | Wed 28/10/20 | |
| 156 | | 0% | Re-program UPS's to run on 50 Hz and put on load | 0 days | Wed 28/10/20 | Wed 28/10/20 | |
| 157 | | 0% | Replace 60 HZ card with 50HZ card and program at Egnos | 0 days | Wed 28/10/20 | Wed 28/10/20 | |
| 158 | | 0% | Start clients | 1 day | Wed 28/10/20 | Wed 28/10/20 | |

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

| Task | Inactive Summary | External Tasks |
|--------------------|------------------|----------------|
| Split | | |
| Milestone Summary | | |
| Project Summary | | |
| Inactive Task | | |
| Inactive Milestone | | |

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|-----|-----------|-----------------|--|----------|--------------|--------------|--------------|
| 159 | | 0% | PHASE 7_60-50Hz SWITCH OVER DAY 3_Main Building (HBK_08,HBK_MODIS,HBK_EUTELSAT,HBK_1: & IOT | 2 days | Thu 29/10/20 | Fri 30/10/20 | |
| 160 | | 0% | Switch off clients | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 161 | | 0% | Shut down transformer E, lock out cable entry E at Transfer coupler | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 162 | | 0% | Move one Main building breaker to U bus at old switchgear | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 163 | | 0% | Close Bus coupler at Transfer switch | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 164 | | 0% | Switch UPS's to manual by-pass | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 165 | | 0% | Start clients | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 166 | | 0% | Re-program Riello UPS's to run on 50 Hz and put on load | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 167 | | 0% | Replace Cards on Main building UPS's, program and put into commission | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 168 | | 0% | Start-up site check for failures | 1 day | Thu 29/10/20 | Thu 29/10/20 | |
| 169 | | 0% | Replace air-conditioners, install drives at klisetron etc | 0 days | Thu 29/10/20 | Thu 29/10/20 | |
| 170 | | 0% | Install, commission and develop SCADA system | 1 day | Fri 30/10/20 | Fri 30/10/20 | |
| 171 | | 0% | PHASE 8_ INSTALLATION OF E-BUS TRANSFORMER | 3 days | Mon 02/11/20 | Wed 04/11/20 | |
| 172 | | 0% | Isolate old E transformer | 0 days | Mon 02/11/20 | Mon 02/11/20 | |

Task

Split

Milestone Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary/ Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Progress

Manual Progress

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

| ID | Task Mode | % Work Complete | Task Name | Duration | Start | Finish | Predecessors |
|-----|-----------|-----------------|---|----------|--------------|--------------|--------------|
| 173 | | 0% | Disconnect and remove transformer | 1 day | Mon 02/11/20 | Mon 02/11/20 | 172 |
| 174 | | 0% | Remove old cables | 1 day | Tue 03/11/20 | Tue 03/11/20 | |
| 175 | | 0% | Place new E-bus minisub | 0 days | Wed 04/11/20 | Wed 04/11/20 | |
| 176 | | 0% | Trenching, join MV paper-lead cable and terminate. Test cable | 1 day | Wed 04/11/20 | Wed 04/11/20 | 175 |
| 177 | | 0% | PHASE_9 GENHOUSE RE-ORGANIZING | 3 days | Thu 05/11/20 | Mon 09/11/20 | |
| 178 | | 0% | Disconnect and remove SANSa cummins generator | 1 day | Thu 05/11/20 | Thu 05/11/20 | |
| 179 | | 0% | Prepare area for new standby generator | 0 days | Thu 05/11/20 | Thu 05/11/20 | |
| 180 | | 0% | Remove all old cables. Do necessary Civils | 1 day | Fri 06/11/20 | Fri 06/11/20 | 179 |
| 181 | | 0% | Disconnect Sansa 50/60 Conversion gen-set:0 days generator cables | 0 days | Mon 09/11/20 | Mon 09/11/20 | |
| 182 | | 0% | Disconnect Sansa green 50/60 Hz panel from Q5A, connect to RAO 2 transformer via prepared cabling | 1 day | Mon 09/11/20 | Mon 09/11/20 | 181 |
| 183 | | 0% | Standby-Systems to assist with controls wiring and voltage regulation set-up | 0 days | Mon 09/11/20 | Mon 09/11/20 | |
| 184 | | 0% | PHASE 10 GENHOUSE_HARTRAO SETUP CHANGE | 1 day | Thu 05/11/20 | Thu 05/11/20 | |
| 185 | | 0% | Run sites on back-up generators for next step. | 0 days | Thu 05/11/20 | Thu 05/11/20 | |
| 186 | | 0% | Shut down Hartrao 50/60 Hz generator | 0 days | Thu 05/11/20 | Thu 05/11/20 | |

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|-----|-----------|-----------------|--|----------|--------------|--------------|--------------|
| 187 | | 0% | Disconnect RAO generator load cables, pull back and connect to Sansa 50/ 60 generator Unit | 1 day | Thu 05/11/20 | Thu 05/11/20 | 186 |
| 188 | | 0% | Remove Hartrao green panel, old metering panel and cables | 0 days | Thu 05/11/20 | Thu 05/11/20 | |
| 189 | | 0% | Swing Hartrao to new setup. Switch off Back-up gens | 0 days | Thu 05/11/20 | Thu 05/11/20 | |
| 190 | | 0% | Disconnect all cables from RAO 50/60 Gen and remove | 0 days | Thu 05/11/20 | Thu 05/11/20 | |
| 191 | | 0% | Remove RAO 50/60Hz generator unit from building | 0 days | Thu 05/11/20 | Thu 05/11/20 | 190 |
| 192 | | 0% | PHASE 11_ INSTALLATION OF NEW GENERATOR | 9 days | Mon 02/11/20 | Thu 12/11/20 | |
| 193 | | 0% | Break wall? Install new generator | 2 days | Mon 02/11/20 | Tue 03/11/20 | |
| 194 | | 0% | Install radiator and exhaust, fuel line Etc. | 1 day | Wed 04/11/20 | Wed 04/11/20 | 193 |
| 195 | | 0% | Place new Change-over panel/modify existing RED panel | 1 day | Thu 05/11/20 | Thu 05/11/20 | |
| 196 | | 0% | Remove Q5A + Q5B 1000A breakers and replace with 1600 A breakers. Upgrade busbars | 1 day | Fri 06/11/20 | Fri 06/11/20 | |
| 197 | | 0% | Install cables change-over panel position | 1 day | Mon 09/11/20 | Mon 09/11/20 | 196 |
| 198 | | 0% | Connect load cables for transformers, connect one set to E-bus transformer | 0 days | Tue 10/11/20 | Tue 10/11/20 | 197 |

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| 199 | | 0% | Current temporary cables on U-bus transformer should be long enough to pull back and connect to red panel? | 1 day | Tue 10/11/20 | Tue 10/11/20 | 198 |
| 200 | | 0% | Commission generator, run, test outputs and change-over panel | 1 day | Wed 11/11/20 | Wed 11/11/20 | 199 |
| 201 | | 0% | If all is in order, power up E-bus transformer. Test safety devices | 1 day | Thu 12/11/20 | Thu 12/11/20 | 200 |
| 202 | | 0% | Check rotation and Phasing at transfer switch gear | 0 days | Thu 12/11/20 | Thu 12/11/20 | |
| 203 | | 0% | PHASE 12_CHANGE OVER FROM U-BUS TO E-BUS | 11 days | Mon 02/11/20 | Mon 16/11/20 | |
| 204 | | 0% | Liaise with clients for general ops room IOT TX shutdown. | 2 wks | Mon 02/11/20 | Fri 13/11/20 | |
| 205 | | 0% | Shut down equipment at site | 0 days | Mon 16/11/20 | Mon 16/11/20 | |
| 206 | | 0% | Switch off U bus incomer switch at HBX transformer, switch on E-bus cable and coupling at transfer switch. | 1 day | Mon 16/11/20 | Mon 16/11/20 | 205 |
| 207 | | 0% | Start up site | 0 days | Mon 16/11/20 | Mon 16/11/20 | |
| 208 | | 0% | PHASE 13_REMOVE TEMPORARY GENERATOR | 2 days | Tue 17/11/20 | Wed 18/11/20 | |
| 209 | | 0% | Remove temporary generator | 1 day | Tue 17/11/20 | Tue 17/11/20 | |
| 210 | | 0% | Disconnect cables | 0 days | Wed 18/11/20 | Wed 18/11/20 | 209 |
| 211 | | 0% | Run HARTRAO on standby power switch off TX 2 Disconnect temporary cable | 0 days | Wed 18/11/20 | Wed 18/11/20 | 210 |

Project: Project Schedule_20 Ju
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| 212 | | 0% | Switch RAO back to normal power | 0 days | Wed 18/11/20 | Wed 18/11/20 | 211 |
| 213 | | 0% | Connect cables from red panel to U-bus Mini-sub. Test and commission | 1 day | Wed 18/11/20 | Wed 18/11/20 | 212 |
| 214 | | 0% | PHASE 14_NORMALIZE SUPPLY | 12 days | Thu 05/11/20 | Fri 20/11/20 | |
| 215 | | 0% | Liaise with customers for short shut down | 2 wks | Thu 05/11/20 | Wed 18/11/20 | |
| 216 | | 0% | Switch off coupler switch at transfer panel | 0 days | Thu 19/11/20 | Thu 19/11/20 | |
| 217 | | 0% | Switch on U bus cable and incomer at HBX transformer. Test phasing at Transfer panel | 1 day | Thu 19/11/20 | Thu 19/11/20 | 216 |
| 218 | | 0% | Start up site | 0 days | Thu 19/11/20 | Thu 19/11/20 | |
| 219 | | 0% | Test | 0 days | Thu 19/11/20 | Thu 19/11/20 | 218 |
| 220 | | 0% | Hand Over | 1 day | Fri 20/11/20 | Fri 20/11/20 | 219 |

Project: Project Schedule_20 Ju
Date: Tue 14/07/20

| Task | Inactive Summary | External Tasks |
|--------------------|------------------|----------------|
| Split | | |
| Milestone | | |
| Summary | | |
| Project Summary | | |
| Inactive Task | | |
| Inactive Milestone | | |