

**JFE LEARNING MODULE** **DIMENSION BID**

**TASKSHEET 10 - Ultralink Ultrawire**

**OBJECTIVES**

Upon completion this task you should be able to:

**THEORY**

|   |   |   |
|---|---|---|
| 1 | Describe the theory of operation / basic principle of ultralink                   | ✓ |
| 2 | Describe the surface equipment and system assembly of ultralink                   | ✓ |
| 3 | Explain on the signal modulation (NRZ-L and Bipolar AMI)                          | ✓ |
| 4 | Describe the theory of operation / basic principle of ultrawire                   | ✓ |
| 5 | Describe the surface equipment and system assembly of ultrawire                   | ✓ |
| 6 | List down and explain errors available in the ultrawire system (Minimum 3 errors) | ✓ |

Grade: 100%

Supervisor Signature: 



**PRACTICAL**

|   |   |   |
|---|---|---|
| 1 | Demonstrate the safety measures when handling Ultralink Ultrawire             | ✓ |
| 2 | Setup Ultrawire surface equipment system and perform operational check on it. | ✓ |

Grade: 100%

Supervisor Signature: 

**COMMENTS BY SUPERVISOR**

|                 |                     |                    |  |       |                 |
|-----------------|---------------------|--------------------|--|-------|-----------------|
| Name:           | MATHIAS RAUTH PARAG | Signature:         | <u></u> | Date: | 4 DEC 2023      |
| Manager's Name: | FARIS MOHD FIRDAUS  | Manager Signature: | <u></u> | Date: | <u>05/12/23</u> |