



Australian Government

AURMTA009 Collect and log motor sport data

Release: 1

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Modification History

| Release | Comment |
|-----------|-------------------------|
| Release 1 | New unit of competency. |

Application

This unit describes the performance outcomes required to collect and log motor sport data. It involves identifying data requirements, preparing for the task, collecting, logging, and evaluating data, and completing workplace documentation.

It applies to those working in the motor sport industry.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Motor Sport

Unit Sector

Technical

Elements and Performance Criteria

| Elements | Performance Criteria |
|---|---|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section. |
| 1. Identify motor sport data collection requirement | 1.1 Job requirements are determined from workplace instructions 1.2 Data specific requirements are determined from team instructions and procedures and controlling body rules, category rules and supplementary regulations 1.3 Purpose and end users of data are identified 1.4 Sources of data are identified |

| Elements Elements describe the essential outcomes. | Performance Criteria Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section. |
|--|---|
| 2. Prepare resources for data collection | 2.1 Checklists and recording sheets are developed according to team procedures 2.2 Manual instruments are prepared for data collection 2.3 Electronic data acquisition system settings are checked 2.4 Equipment settings, calibration and system are checked and adjusted according to task requirements and equipment manufacturer instructions 2.5 Trial runs are conducted to <i>check</i> equipment and procedures and required adjustments are made |
| 3. Collect data | 3.1 Data acquisition system start-up procedure is carried out according to manufacturer procedures 3.2 Data acquisition system is operated according to its designed capacity and purpose and to manufacturer specifications and <i>safety requirements</i> 3.3 Potential for inaccurate results arising from variables is determined 3.4 Data is checked for accuracy according to manufacturer specifications 3.5 Problems with required data or operation of equipment are reported to appropriate persons as required |
| 4. Log data | 4.1 Selected data is imported into data analysis software according to manufacturer procedures 4.2 Data is evaluated for preliminary indication of non-conformity and trends or patterns 4.3 Findings from data are collated and reported to appropriate persons according to team procedures 4.4 Data is stored for later retrieval according to team procedures |
| 5. Complete work processes | 5.1 Final inspection is made to ensure work is to workplace expectations and data is presented ready for use 5.2 Data recording equipment is checked and stored according to workplace procedures 5.3 Workplace documentation is processed according to workplace procedures |

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

| Skills | Description |
|-----------------------------|---|
| Learning skills to: | <ul style="list-style-type: none"> locate appropriate sources of information efficiently adapt to different race event conditions and vehicles. |
| Reading skills to: | <ul style="list-style-type: none"> determine data requirements from team instructions and procedures and controlling body rules, category rules and supplementary regulations interpret data acquisition system and data analysis software operating procedures from manufacturer instructions. |
| Writing skills to: | <ul style="list-style-type: none"> legibly and accurately fill out workplace documentation when reporting data analysis findings. |
| Numeracy skills to: | <ul style="list-style-type: none"> use basic mathematical operations, including addition and subtraction, to calculate and compare numerical information with expected values. |
| Digital literacy skills to: | <ul style="list-style-type: none"> operate computer-based data acquisition systems and data analysis software. |
| Technology skills to: | <ul style="list-style-type: none"> connect and disconnect data acquisition system to vehicle without causing damage. |

Range of Conditions

This section specifies work environments and conditions that may affect performance.

Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Bold italicised wording, if used in the performance criteria, is detailed below.

| | |
|---|---|
| <i>Checking</i> must include: | <ul style="list-style-type: none"> function accuracy efficiency. |
| <i>Safety requirements</i> must include: | <ul style="list-style-type: none"> work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for: <ul style="list-style-type: none"> identifying hazards and managing risks identifying acceptable tolerance levels for noise, heat and fumes. |

Unit Mapping Information

Equivalent to AURMTA3009 Collect and log motorsport data

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>