stats sa

Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA

SECTION A: TRAINING REQUEST SPECIFICATION

Name of Training Requested: ONLINE BIG DATA Training Programme

Duration: 6 weeks (30) days

Total No. of Trainees: 1 **Venue:** None applicable

Learning Method: ONLINE

LEARNING CONTENT

Please indicate the learning content/topics required for the training programme:

Training Topic	Description / Key Areas Covered
Introduction to Big Data	Introduction to Big Data and its importance in modern organisations. Covers key Big Data concepts and principles, different types and sources of data, and the role of Big Data in supporting organisational objectives, business decision-making, and organisational performance.
Data Collection, Management and Data Quality	Understanding how data is collected, stored, organised, managed, and maintained within an organisation. Covers common data quality problems, including inaccurate, incomplete, duplicated, and inconsistent data, as well as the importance of maintaining accurate and reliable data.
Big Data Analysis	Introduction to Big Data analysis and basic data analysis techniques. Participants learn how organisations analyse data to identify useful information, trends, patterns, relationships, and insights that can support informed decision-making and improve organisational performance.
Data Visualisation and Reporting	Understanding how data and analysis findings can be presented in a clear, simple, and meaningful manner. Participants learn how to use tables, charts, graphs, dashboards, and basic reporting techniques to communicate data findings effectively.
Big Data Tools and Practical Application	Introduction to commonly used Big Data and data analysis tools and their application in the workplace. Participants apply Big Data concepts, analysis techniques, and vi

LEARNING OUTCOMES

Big Data Training Programme

At the end of the training, learners should be able to:

No.	Learning Outcomes
1.	Explain the basic concepts and principles of Big Data, identify different types and sources of data, and explain how Big Data can support business decision-making and improve organisational performance.
2.	Explain how data is collected, stored, managed, and maintained, and identify basic data quality problems and the importance of accurate and reliable data.
3.	Perform basic Big Data analysis and identify and interpret trends, patterns, relationships, and useful information from datasets.
4.	Use basic data visualisation and reporting methods, including tables, charts, graphs, and dashboards, to communicate data findings clearly and meaningfully.
5.	Apply Big Data concepts, techniques, and tools to practical workplace situations, complete practical data

PARTICIPANT CHOICE: CREDIT-BEARING COURSE/S ☒

Participant Assessment Type

Please indicate the applicable assessment method:

☐ Class Test

☒ Practical Exercise

☐ Group Work

☐ Presentation

☒ Assignment

☐ POE – Portfolio of Evidence

☐ EXAM – Formal Examination

☐ Workplace Assessment

☒ Other: Continous Assessment

Award / Recognition

☒ Certificate of Competency

☐ Qualification / Part-Qualification, where applicable

☐ Statement of Results, where applicable

☐ Other: _____

TRAINING MANUAL / LEARNING MATERIAL REQUIREMENTS

The supplier must provide appropriate and comprehensive learning materials relevant to the requested training.

Training Manual/Learner Guide: ☒ Yes ☐ No

Workbook: ☒ Yes ☐ No

Presentation Slides: ☒ Yes ☐ No

Practical Exercises: ☒ Yes ☐ No

Other Learning Materials:

PARTICIPANT: - TRAINING REQUEST SPECIFICATION APPROVAL AND ENDORSEMENT

The undersigned confirm that the training specification/request has been reviewed and is supported.

Directorate Representative: Initials & Surname: RS Phukubye

Directorate: Statistical Standards Branch M&SI.

Signature: _____ Date: 01 / 10 / 2026

SECTION B: SERVICE PROVIDER REQUIREMENTS

The service provider must:

- Demonstrate competence in the subject matter through relevant qualifications, experience and expertise.
- Provide suitably qualified and experienced facilitators.
- Provide facilitator CVs and relevant qualifications.
- Provide comprehensive and relevant training materials.
- Provide clear learning content and learning outcomes.
- Demonstrate previous experience in providing similar training.
- Demonstrate the capacity and resources to deliver the required training.
- Provide assessment methods, where applicable.
- Provide the appropriate certificate or recognition for the type of training delivered.

EVALUATION CRITERIA

The evaluation process will be conducted in two stages as given on the table below:

Evaluation stages

Stage	Description
Stage 1	Technical Evaluation
Stage 2	Price and specific goals

Stage 1

TECHNICAL REQUIREMENTS

The table below explains the requirements that supplier's/service providers must meet when responding to the training specification in Section A.

Stage 1

TECHNICAL REQUIREMENTS

The table below explains the requirements that supplier's/service providers must meet when responding to the training specification in Section A.

No.	Supplier Requirement	Explanation	Type of Document / Evidence Required
1	Company Registration	**Provide:** • CIPC Company Registration Certificate • Company registration number • Company name as registered • Company profile • Valid tax compliance status • B-BBEE certificate	Certified copies of Registration
2	Facilitators Qualifications	• Bachelor's degree in computer science, Information Technology, Data Science, Statistics, Mathematics, or a related field. • Recognised Big Data certification, such as Cloudera, AWS, Microsoft Azure, or Google Cloud Big Data/Data Analytics certification. • Big Data Analytics or Data Engineering certification. • Train-the-Trainer (TTT), or ODETDP, or equivalent facilitation qualification.	Proof of Certified Qualifications
3	Facilitators Curriculum	The CV must clearly outline the facilitator's relevant qualifications and experience in presenting, facilitating, **online instructor-led ISO 22301 training**.	Copy of the CV

4	Learning content and outcomes	The service provider must provide comprehensive learning content for the Data Science course, clearly indicating the topics to be covered, knowledge and skills to be acquired, and competencies learners are expected to demonstrate upon completion of the training.	Copies of the Learning Content and Outcomes
5	Assessment methods	Provide a written outline of the assessment methods to be used, including the types of assessments and assessment activities, and explain how learner competence and achievement of the learning outcomes will be measured	Copies of document explaining assessment
6	Certificate recognition	Confirms that the person attended/completed the course or training, what type of certificate to be awarded	Written assessment methods must be provided.
7	Accreditation Status	• QCTO Accreditation • Microsoft Certification/Authorisation • AWS Certification/Authorisation • Google Cloud Certification/Authorisation • Cloudera Certification/Authorisation	Proof of accreditation/authorisation must be provided in the letterhead and valid for the duration of the training programme.
8	Quality assurance	Supplier must demonstrate how it will monitor the quality and effectiveness of the training after training	In writing confirm submission of • Training evaluation/feedback forms • Learner satisfaction surveys and evaluation reports

N.B: Failure to comply with all technical requirements will result in disqualification and bidder will not be evaluated further.

TRAINING SPECIFICATION APPROVAL AND ENDORSEMENT

HRU&D: Training and Development

The undersigned confirm that the training specification/request has been reviewed and is supported.

Designation: Skills Development Facilitator (SDF): Name & Surname Sibongile Mngomezulu

Signature: _____ Date: 8 / 01 / 2026

Supporting on Section B- Qualified and experienced facilitators:

SERVICE PROVIDER REQUIREMENTS Point Number 2

Name the actual qualifications that a trainer could have, examples include:

Training Subject	Appropriate Trainer Qualification
Big Date Course	• Bachelor's degree in computer science, Information Technology, Data Science, Statistics, Mathematics, or a related field. • Recognised Big Data certification, such as Cloudera, AWS, Microsoft Azure, or Google Cloud Big Data/Data Analytics certification. • Big Data Analytics or Data Engineering certification. • Train-the-Trainer (TTT), or ODETDP, or equivalent facilitation qualification.

Stage 2: Price and specific goals

Price = 80

Preferential points = 20 as follows:

THE SECOND STAGE OF EVALUATION IS BASED ON PRICE AND SPECIFIC GOALS, WHICH WILL BE EVALUATED USING THE FOLLOWING CRITERIA AND POINTS:

POINTS AWARDED FOR PRICE

Price evaluation (80 points)

Criteria	Points
Price evaluation $Ps = 80\left(1 - \frac{Pt - P\min}{P\min}\right)$	80

The following formula will be used to calculate the points for price:

Where:

Ps = Points scored for comparative price of bid under consideration

Pt = Comparative price of bid under consideration

Pmin = Comparative price of lowest acceptable bid

POINTS AWARDED FOR SPECIFIC GOALS (20 POINTS)

The specific goals allocated points in terms of this bid	Number of points allocated (80/20 system)	Percentage ownership equity (To be completed by Tenderer)	Number of points claimed (80/20 system) (To be completed by Tenderer)

. Race (black)	**10**		
. Women	**5**		
. Disabled	**2**		
. Youth (below 35 years)	**3**		

a. Stats SA reserves the right to require of the bidder, either before a tender is adjudicated or any time subsequently, to substantiate any claim regarding preferences in any manner required.

b. The following formula must be applied to calculate the number of points for equity ownership by an Historical Disadvantaged Individuals (HDI):

$$NEP = NOP \times \frac{EP}{100}$$

Where:

NEP = Points awarded for equity ownership by an HDI

NOP = The maximum number of points awarded for equity Ownership by an HDI

EP = The percentage of equity ownership by an HDI Within the enterprise or business

c. Bidders who wish to claim points in terms of the tables above, need to provide proof for each point claimed as guided below:

d. Race: (Black) - attach certified copy of Identity document (Id) and certified company registration document, CSD full detail report to show substantiate ownership equity.

e. Women: - attach certified copy of Identity Document (ID) and certified company registration document, CSD full detail report to show substantiate percentage ownership equity.

f. Disabled – attach medical certificate from a medical practitioner registered with the Health Professional Council of South Africa (HPCSA) confirming the disability.

g. Youth – attach certified copy of Identity Document (ID) and certified company registration document, CSD report to show substantiate percentage ownership equity.

- **CIPC and Identity documents, with a certification stamp older than 6 months, will be considered invalid. Such documents will result in forfeiture of points allocated for specific goals.**

TRAINING SPECIFICATION APPROVAL AND ENDORSEMENT

Supply Chain Management: Acquisition

The undersigned confirm that the training specification price and specific goals has been reviewed and is supported.

Designation: _____Initials & Surname_____

Signature: _____ Date: ____ / ____