

DEPARTMENT OF SCIENCE AND TECHNOLOGY

MANUAL

IN ACCORDANCE WITH

**PROMOTION OF ACCESS TO INFORMATION ACT, 2000
AS REQUIRED BY SECTION 14 (2) OF THE ACT**

PROMOTION OF ACCESS TO INFORMATION ACT, 2000

MANUAL

AS REQUIRED BY SECTION 14 (2) OF THE PROMOTION
OF ACCESS TO INFORMATION ACT

(PAIA) (Act No 2. Of 2000)

Latest Revision 2017

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1. Introduction

This manual ("the Manual") is published in terms of Section 14 (2) of the Promotion of Access to Information Act No. 2 of 2000 (the "Act"). The Act gives effect to the provisions of Section 32 of the Constitution, which provides for the right of access to information held by the State and to information held by another person that is required for the exercise and/or protection of any right.

The purpose of the Act is to foster a culture of transparency and accountability in both the public and private sectors by affording any person the right of access to information to enable them to exercise and protect all of their rights to the full extent required.

The purpose of this Manual is to set out the procedures to be followed and criteria that have to be met for anyone (the "requester") to request access to records in the possession or under the control of the Department of Science and Technology ("the DST").

2. Applicability of the Promotion of Access to Information Act (hereinafter referred to as PAIA)

The Promotion of Access to Information Act (No 2 of 2000) is applicable to the Department as a public body, particularly in respect to its internal records systems.

3. Purpose of the Manual in terms of PAIA

The purpose of this Manual is to identify the structures and functions of the Department and describe its records systems to facilitate the objectives of PAIA.

4. South African Human Rights Commission ("SAHRC") guide to the act

Section 10 of the Act requires the South African Human Rights Commission (SAHRC) to publish a guide containing information reasonably required by a person wishing to exercise or protect any rights in terms of this Act.

The guide, which is published in all official languages, contains particulars of:

- all information offices of public and private bodies;
- the addresses and contact details of such; and
- the types of assistance available from information offices and the South African Human Rights Commission.

4.1. Availability and Access to the Guide:

The guide is available for inspection from:

- all public libraries; and
- the South African Human Rights Commission website – www.sahrc.org.za

Should you have any queries in this regard, please contact the SAHRC directly at:

Postal address: The South African Human Rights Commission
Promotion of Access to Information Act Unit
Research and Documentation Department
Private Bag 2700
Houghton, 2041

Telephone: +27 11 484-8300
Fax: +27 11 484-0582
Website: www.sahrc.org.za
E-mail: paia@sahrc.org.za

5. Contact information for the DST

Name of organisation: Department of Science and Technology

Postal address

Department of Science and Technology
Private Bag X894
Pretoria
0001

Physical address

Building 53 Scientia
Campus
Meiring Naude Road
Brummeria
Pretoria

Tel: (012) 843 6300
Fax: (012) 317 4363
Website: <http://www.dst.gov.za>

Information Officer:

Tel: (012) 843 6815
Fax: 0866 810006
Email: paia@dst.gov.za

Requesters are required to address all requests to the Information Officer.

Deputy Information Officer:

Deputy Director-General:

Corporate Services

Tel:

(012) 843 6632

Fax:

0865 508 775

E-mail:

paia@dst.gov.za

6. Structure and functions

Minister:

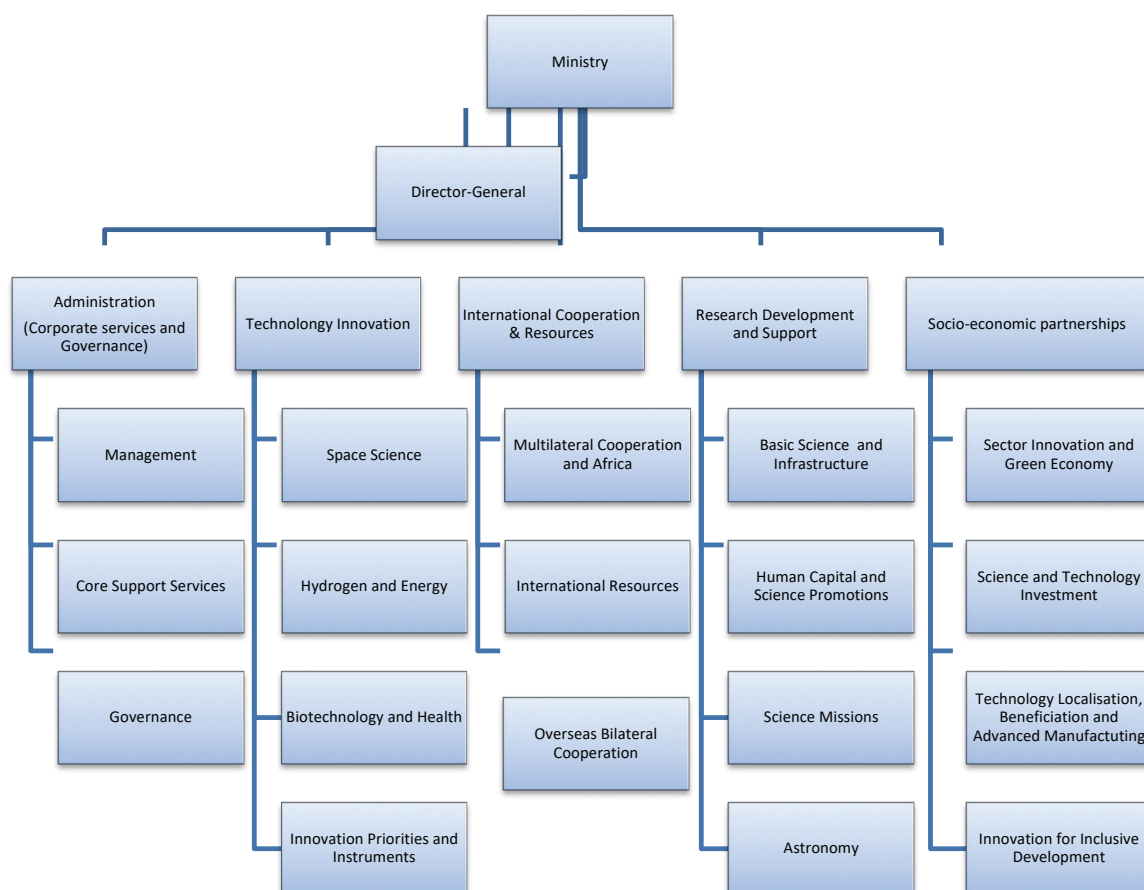
The Honourable Naledi Pandor

Deputy Minister:

The Honourable Zanele Magwaza-Msibi

Director-General:

Dr Phil Mjwara



For a more comprehensive organisational structure, please consult the DST website: www.dst.gov.za

6.1. Programmes

6.1.1. Programme 1: Corporate services, institutional planning and support

Responsible for the overall management of the Department and provides centralised support services. It also ensures that funded organisations comply with good corporate governance practices and are aligned with the strategic focus of the National System of Innovation (NSI). It monitors and evaluates the science councils.

6.1.2. Programme 2: Technology Innovation

The Programme aims to enable research and development (R&D) in strategic and emerging focus areas (space science, energy, biotechnology, nanotechnology, robotics, photonics, and indigenous knowledge systems) intellectual property management, technology transfer and technology commercialisation in order to promote the realisation of commercial products, processes and services from R&D outputs through the implementation of enabling policy instruments.

6.1.3. Programme 3: International Cooperation and Resources

The Programme aims to strategically develop, promote and manage international relationships, opportunities and S&T agreements that strengthen the national system of innovation (NSI) and enable an exchange of knowledge, capacity and resources between South Africa and its regional and international partners. The Programme also supports South African foreign policy through science diplomacy.

6.1.4. Programme 4: Research Development and Support

The Programme aims to provide an enabling environment for research and knowledge production that promotes strategic development of basic sciences and priority science areas, through science promotion, human capital development, the provision of research infrastructure and relevant research support, in pursuit of South Africa's transition to a knowledge economy.

6.1.5. Programme 5: Socio-Economic Innovation Partnerships

Enhancement of the growth and development priorities of government through targeted science and technology-based innovation interventions and the development of strategic partnerships with other government departments, industry, research institutions and communities.

6.2. Primary Functions

6.2.1. Historical background of the Department

The Department of Science and Technology (DST) derives its mandate from the 1996 White Paper on Science and Technology. It was initially a part of the Department of Arts, Culture, Science and Technology, which was established in 1994. It then separated into the Department of Arts and Culture and Department of Science and Technology in 2002. In 2004, the Department became a standalone Ministry. The basic premise is that Science, Technology and Innovation (STI) play a critical role in economic growth and socio-economic development.

6.2.2. Aim of the DST

The DST seeks to realise the full potential of science and technology in social and economic development through the development of human resources, research and innovation.

This includes focused interventions, networking and acting as a catalyst for change in terms of both productive components of our economy, making it competitive in a globally competitive liberalized environment, and in respect of the huge development backlog existing among the poorest components of our society. The goal of realising this vision is underpinned by development and resourcing strategies for the formation of science, engineering and technology human capital, democratization of state and society, promotion of an information society and ensuring environmental sustainability in development programmes.

6.2.3. Strategic direction

Maintaining an adequate science base and translating it into jobs and growth poses some major challenges. The approach of National System of Innovation (NSI) in recognizing the non-linearity of innovation – where performance is a function not only of the innovation in individual

organizations but also of the relationships and networks between institutions – is increasingly driving government towards the role of catalyst, facilitator and strategic investor.

6.2.4. Goals

The DST's five principal goals are to -

- develop the innovation capacity of the National System of Innovation (NSI) and thereby contribute to socioeconomic development;
- enhance South Africa's knowledge-generation capacity in order to produce world-class research papers and turn some advanced findings into innovative products and processes;
- develop appropriate STI human capital to meet the needs of society;
- build world-class STI infrastructure to extend the frontiers of knowledge, train the next generation of researchers, and enable technology development and transfer, as well as knowledge interchange; and
- Position South Africa as a strategic international RDI partner and destination through the exchange of knowledge, capacity and resources between South Africa and its regional and other international partners, thereby strengthening the NSI.

6.2.5. Grand Challenges

The success of the DST's Ten Year Innovation Plan - 2008-2018 (TYIP) depends on the achievement and realisation of the above goals. The Plan sets out core projections, which are summarised as South Africa's grand challenges in science and technology (S&T). The grand challenges are the following:

- **Farmer to Pharma:** Over the next decade, South Africa should develop its bio economy to become a world leader in biotechnology and pharmaceuticals, using the nation's indigenous resources and new developments in genomics.
- **Space S&T:** South Africa will become a key contributor and partner to global space S&T through the National Space Agency, a growing satellite industry and a range of innovations in space science, including earth observation, communication, navigation and engineering.
- **Energy Security:** Safe, clean, affordable and reliable energy supplies are in global demand, and South Africa should meet its medium-term energy supply requirements while innovating for the long term in clean coal technologies, nuclear energy, renewable energy and the promise of the hydrogen economy.
- **Global Change:** South Africa should exploit its geographic position, which enables it to play a leading role in climate change science.

- **Human and Social Dynamics:** As a leading voice among developing countries, South Africa should contribute to a greater global understanding of shifting social dynamics, and the role of science in stimulating growth and development.

7. Public entities reporting to the DST

- Academy of Science of South Africa (ASSAF)
- Council for Scientific and Industrial Research (CSIR)
- Human Sciences Research Council (HSRC)
- National Research Foundation (NRF)
- Technology Innovation Agency (TIA)
- South African National Space Agency
- Agency for Science and Technology Advancement
- Astronomy Management Authority
- National Council on Innovation
- National Intellectual Property Management Office

8. Acts administered by the DST

- Academy of Science of South Africa Act 67 of 2001
- Africa Institute of South Africa Act
- Astronomy Geographic Advantage Act 21 of 2007
- Human Sciences Research Act 23 of 1968
- Intellectual Property Rights for Public Financed Research and Development Act 51 of 2008
- National Advisory Council on Innovation Act 55 of 1997
- National Research Foundation Act 23 of 1998
- National Scientific Act 106 of 2003
- Natural Scientific Professions Act 27 of 2003
- Science Technology Law Amendment Act 2011
- Scientific Research Council Act 46 of 1988
- South African Space Agency Act 36 of 2008
- Technology Innovation Agency Act 26 of 2008
- The Promotion of Access to Information Manual

9. Access procedure

9.1. How to Make a Request

Fill in the prescribed request form available from the DST. To request the form, send an email to paia@dst.gov.za. The form is available in the following languages¹:

- English
- isiZulu
- Sepedi.

All queries should be addressed to the Information Officer:

Information Officer:	Director-General
Tel:	(012) 843 6815
Fax:	0866 810 006
E-mail:	paia@dst.gov.za

9.2. Subjects and Categories of Records Held by Department of Science and Technology

9.2.1. Automatic disclosure:

The list of categories of records available to persons without having to request access in terms of the Promotion of Access to Information Act is attached as Annexure A. These records are made available on the DST website.

9.2.2. Records available on request:

A list of categories of records, which are held by the Department and can be requested in terms of the Promotion of Access to Information Act is attached as Annexure B. Access to these records must be requested from the Information Officer according to the procedure below.

9.3. Payment of the prescribed fees:

As instructed by the Act, an amount of R35.00 must accompany the request for information. This is payable by cheque, cash (if delivered by hand) or deposited into the DST bank account (proof of the deposit must accompany the request form)

¹ Currently the DST has forms available in these three languages. Requests in other languages will also be accommodated.

Account name: Department of Science and technology
Bank: ABSA Bank
Account Number: 4056183523
Branch Number: 323645
Account Type: Deposit Account

9.4. Validation and acknowledgement of the request

The Information Officer of the DST receives and validates the request to see whether the required information is available in the DST. The request is then accepted, rejected or transferred to the rightful keepers of the required information. An acknowledgement will then be forwarded to the requester to confirm the status of the request.

9.5. Information processing

If the request is accepted, the DST will gather and prepare the information and calculate the relevant cost involved. The cost is calculated in respect of the prescribed fees as detailed in *Table 1: Fees in respect of Public Bodies*.

9.6. Final notification

The requester will be informed of the completion of the request as well as the outstanding fees payable to the DST.

9.7. Payment and delivery

Once the payment as stipulated above is received, the information is released to the requester. The prescribed form must be filled in with enough detail to at least enable the information Officer to identify:

- The record(s) requested.
- The identity of the requester.
- Which form of access is required, if the request is granted;
- The postal address or email address or fax number of the requester.

The requester must state that he/she requires the information in order to exercise or protect a right, and clearly state what the nature of the right is to be exercised or protected. In addition, the requester must clearly specify why the record is necessary to exercise or protect such a right.

The Department will process the request within 30 working days, unless the requester has stated special reasons, which would satisfy the Information Officer that circumstances dictate that the above time periods should not be complied with. The 30-day period may be extended for a further period of 30 days if the request is for a large amount of information, or the request requires a search for information held at another office of the institution and the information cannot be obtained within the original 30 day period. The DST will notify the requester in writing should an extension be sought.

If a request is made on behalf of another person, then the requester must submit proof of the capacity in which the requester is making the request to the reasonable satisfaction of the Information Officer.

If an individual is unable to complete the prescribed form because of illiteracy or disability, such a person may make the request orally. The requester must pay the prescribed fee, before any further processing can take place.

9.8. Fees

The Act provides for two types of fees:

- A request fee, which will be a standard fee, and an access fee, which is calculated by taking into account reproduction costs, search and preparation time and costs, as well as postal costs.
- When the request is received by the Information Officer, such officer shall by notice require the requester, other than a personal requester, to pay the prescribed fee (if any), before further processing of the request.
- If a search for the record has been made and the preparation of the record for disclosure, (including arrangement to make it available in the requested form, requires more than the hours prescribed in the regulations for this purpose, the information officer shall notify the requester to pay as a deposit the prescribed portion of the access fee, which would be payable if the request is granted.
- The Information Officer shall withhold a record until the requester has paid the fees as indicated above.
- A requester whose request for access to a record has been granted, must pay an access fee for reproduction and for search and preparation, and for any time reasonably required in

excess of the prescribed hours to search for and prepare the record for disclosure, including making arrangements to make it available in the requested form.

- If a deposit has been paid in respect of a request for access, which is refused, then the information officer concerned will repay the deposit to the requester.

Table 1: Fees in respect of Public Bodies

The following Fees apply:

DESCRIPTION	AMOUNT(R)
The request fee payable by every requester	35.00
Copy of the manual as contemplated in regulation 5(c) (for every photocopy of A4 size page or part thereof)	0.60
The fees for reproduction referred to in regulation 7(1) are as follows:	
1) For every photocopy of an A4 size page or part thereof	0.60
2) For every printed copy of an A4 size page or part thereof held on a computer or in electronic or machine	5.00
3) For a copy in a computer-readable form on:	
a) stiffy disc	5.00
b) compact disc (readable form)	40.00
4) For a transaction of visual images:	
a) for an A4 size page or part thereof	22.00
b) for a copy of visual images	60.00
5) For a transaction of an audio record:	
a) for an A4 size page or part thereof	12.00
b) for a copy of an audio record	17.00
The access fees payable by a requester are as follows:	
1) For every photocopy of an A4 size page or part thereof	0.60
2) For every printed copy of an A4 size page or part thereof held on a computer or in electronic or machine readable form	0.40
3) For a copy in a computer readable form on:	
a) stiffy disc	5.00
b) compact disc	40.00
4) For a transcription of visual images, for an A4 size page or part thereof	22.00
5) For a copy of visual images	60.00
6) For a transaction of an audio record,	
a) for an A4 size page or part thereof	12.00
b) for a copy of audio records	17.00

To search for and prepare the record for disclosure, R15, 00 for each hour or part of an hour, excluding the first hour, reasonably required for such search and preparation.	
The actual postage is payable when a copy of a record must be posted to a requester. Postage costs are dependent on the relevant tariff in terms of postage destination.	

9.9. Refusal of request and appeal

- A requestor should take note of section 7(1) of the PAIA which states the following:
 “ This Act does not apply to a record of a public body or a private body if—
 (a) that record is requested for the purpose of criminal or civil proceedings;
 (b) requested after the commencement of such criminal or civil proceedings, as the case may be; and
 (c) the production of or access to that record for the purpose referred to in paragraph (a) is provided for in any other law.
 (d) requests for information that are, in DST’ reasonable opinion, manifestly frivolous or vexatious or which involve an unreasonable diversion of resources.”
 If section 7(1) applies, you may not bring a request in terms PAIA.
- The grounds of refusal outlined in Part 2 of Chapter 4 and Part 3 Chapter 4 of the PAIA should therefore be observed when making requests.
- A requester may lodge an internal appeal against a decision of the information officer of the DST to refuse a request for access in relation to that request with the relevant authority.
- A third party may lodge an internal appeal against a decision of the information officer of the DST to grant a request for access.

9.10. Manner of appeal, and appeal fees

An appeal must be lodged in the prescribed form:

- Within 60 working days;
- If notice to a third party is required, within 30 days after notice is given to the appellant of the decision appealed against; or
- If notice to the appellant is not required, after the decision was taken it must be delivered or sent to the information officer of the DST;

- Must identify the subject of the appeal and state the reasons for the appeal and may include any other relevant information known to the appellant;
- If, in addition to a written reply, the appellant wishes to be informed of the decision on the internal appeal in any other manner, must state that manner and provide the necessary particulars to be so informed;
- If applicable, must be accompanied by the prescribed fee, and must specify a postal address or fax number; and
- If an appeal is lodged after the expiry of the period referred to, the relevant authority must, upon good cause shown, allow the late lodging of the appeal.

If that relevant authority disallows the late lodging of the appeal, he/she must give notice of that decision to the person who lodged the appeal. A requester lodging the appeal against the refusal of his/her request for access must pay the prescribed appeal fee (if any). If the prescribed appeal fee is payable in respect of an appeal, the decision on the appeal may be deferred until the fee is paid. As soon as reasonably possible, but in any event within 10 working days after receipt of an appeal, the information officer of the DST must submit to the relevant authority:

- The appeal together with his/her reasons for the decision concerned; and
- If the appeal is against the refusal or granting of a request for access, the name, postal address, email address phone and fax numbers, whichever is available, of any third party that must be notified of the request.

9.11 Granting of access to records

Subject to the provisions of the PAIA, access to records requested from DST will only be granted if -

- All the procedural requirements set out in the PAIA relating to a request are met; and
- Access to the requested record/s is not refused in terms of any ground for refusal set out in PAIA.
- The grounds of refusal are outlined in Part 2 of Chapter 4 and Part 3 Chapter 4 and includes mandatory protection of-
 - (a) commercial information of third party;
 - (b) certain confidential information;
 - (c) safety of individuals, and protection of property;

- (d) records privileged from production in legal proceedings;
- (e) economic interests and financial welfare of Republic and commercial activities of public bodies;
- (f) research information of third party, and protection of research information of public body; or
- (g) certain information regarding the operations of public bodies.

10. Annexure A: Information generally available through the DST website

- General DST information
 - Organogram
 - Vision, Mission & Values
 - Ministry
 - Road map to DST offices
 - Frequently Asked Questions
 - Contact list
- DST Focus Areas
 - Research
 - Research partners
 - Information on research funding
 - Innovation
 - Contact details for funding
 - Youth
 - Fun places to visit
 - Experiments
 - Facts
 - Links to Science and Technology sites
 - Careers
 - Financial Aid
 - Careers beyond 2000
 - Bio Careers
- Science and technology career opportunities
- The R&D Tax Incentive Programme
 - Guides, brochures and forms
 - Acts and other documents relevant to R&D Tax Incentive
- News Room
 - Latest News
 - Speeches
 - Press Releases / Communiqués
 - Presentations
 - African Perspective on the Youth in STI

- National Perspective on data to inform evidence based policy
- The role of data in tracking the sustainable development goals and developing Africa's evidence based policy
- The role of economics in achieving sustainable development goals with a data perspective
- Contextualising data and sustainable development goals
- Presentation of the DST 2006/7 Annual Report to Parliament
- Presentation on S&T Policy Forum. Japan, June 2005
- Presentation delivered by Ms Anita Canca
- Energy Research Development in SA
- Science, Technology and Innovation
- The GEOSS Initiative
- Interim Assessment of the Impact of the National R&D Strategy
- Science, Technology and Innovation: Case study of the SA Policy Environment
- Comparative Advantages and Global Research Infrastructure Partnerships
- SA Science and Technology System
- Presentation to the SA National Editors' Forum (SANEF); 22 November 2003
- Sector-wide Science and Technology Programme Proposal
- Presentation made on 15 July 2004, in Brussels.
- Presentation on the Fourth World Congress on Rural Women.pdf
- OECD Review of the SA National System of Innovation
- Corporate Strategy 2008
- National Space Agency bill.PPT
- India-Brazil-South Africa (IBSA)
- Seminar on Space Science and Astronomy
 - o Science and Technology Awareness Radio
 - o Events Calendar
 - o DST Newsletter
 - o SKAO Monthly Bulletin
 - o Cabinet Statements
 - o Opinion Pieces
- Resource Centre
 - o Annual reports
 - o Legislation

- Strategies & Reports
- DST Corporate Strategy 2010-13
- Foresight Reports
- R&D Reports
- Project Reports
- Newsletters
- Ministerial Review Reports
- Knowledge Products
- Research Infrastructure
- Cyber Infrastructure
- Coffee Table Books
- Seminar on Space Science and Astronomy
- Services
- Centres of Excellence
 - The Centre of Excellence in Biomedical TB Research
 - The Centre of Excellence in Invasion Biology
 - The Centre of Excellence in Strong Materials
 - The Centre of Excellence in Birds as Keys to Biodiversity Conservation at the Percy Fitzpatrick Institute
 - The Centre of Excellence in Catalysis
 - The Centre of Excellence in Tree Health Biotechnology at FABI
 - The Centre of Excellence in Epidemiological Modelling and Analysis
- The R & D Tax Incentives Programme
- S&T Landscape
- Space Programme Newsletter
- Sumbandilasat
- Science and Technology Awareness Radio (STAR)
 - June 2010 Interview
 - May 2010 Interview - Maropeng
 - April 2010 Interview - Square Kilometre Array (SKA)
 - March 2010 Interview
 - January 2010 Interview
 - December 2009 Interview
 - November 2009 Interview

- October 2009 Interview
 - September 2009 Interview
 - August 2009 Interview
- Tenders
 - Procurement policy framework
 - Responded Bidders
 - Current tenders
- NSW10 proposal template FINAL.doc
- Careers
 - Guidelines to register on DST careers
 - Latest Job Opportunities
 - Link to form Z83
 - Benefits working for the DST
 - Online Registration Database
- Knowledge Resource Centre
- Links
 - COFISA
 - Presentations
 - Documents
- Square Kilometre Array (SKA)
- German South Africa Year of Science 2012/13
- Sector budget support
- SAFIPA Global change conference
- PRIAP
- General budget support
- Performance Information Management System (PIMS)
- Climate Technology Centre & Network
- Entities
 - Technology Innovation Agency
 - Human Sciences Research Council
 - Academy of Science of South Africa
 - South African National Space Agency
 - Council for Scientific Research and Industrial Research

- Agency for Science and Technology Advancement
- National Intellectual Property Management Office
- Legislation
- About NIPMO
- Organogram
- NIPMO Events
- Services
- National Research Foundation
- Astronomy Management Authority
- Contact details

11. Annexure B: Subjects and categories of records held by the Department of Science and Technology

Programme/Sub-programme	Records Title
PROGRAMME 1: CORPORATE SERVICES, INSTITUTIONAL SUPPORT AND PLANNING	
Programme 1A. Corporate Services	
<u>Sub Programme:</u> Chief Financial Officer (CFO)	
Financial Management (Management Accounting)	Estimates of National expenditure (ENE) Medium Term Expenditure Framework (MTEF), Adjusted Estimates of National Expenditure (AENE) Early warning reports, expenditure analysis report, cash-flow report.
Financial Accounting	Financial statements, Assets and Liabilities. Statutory reports on National Revenue, Certificates on Compliance in terms of the minimum requirements of financial accounting in the National Government, Interim and Annual Financial Statements and records of all transactions pertaining to Revenue, Expenditure, Assets and Liabilities.
Supply Chain Management	Supply Chain Management Policies and Procedures; Supplier database; Proposals from service providers; Bid documents, including minutes of Bid adjudication; Submissions in relation to Bids; Product specifications and Service terms of reference; Minutes of meeting with service providers; Submissions in relation to assets disposals; Assets register; Minutes of assets disposal committee meetings; Fleet management; Assets and facility management plans; Tender documentation, including awarded tenders.
<u>Sub-Programme:</u> Chief Information Officer	

Programme/Sub-programme	Records Title
Information Systems	Disaster Recovery Plan; IT Policies, standards and procedure manuals, Master Services Plan, IT Strategy.
Knowledge Information and Records Management	Records Management Strategy and Policy, Knowledge Management Strategy, PAIA Manual.
<u>Sub-Programme:</u> Auxiliary Services	Security Policies and procedures; Security Transaction reports; Building Video footage
<u>Sub-Programme:</u> Legal Services	DST Acts and regulations, Contracts, Legal opinions and litigation databases, legal policies, compliance manual.
<u>Sub-Programme:</u> Human Resource	
Special Programmes	HR Strategies, Policies, Procedures and Plans; Gender and Disability Mainstreaming Plans(s); Employee Assistance Programmes; Employee Assistance Reports; Batho Pele Principles; Grievance and Disciplinary Procedures; Gift Register.
Talent Management and Organisational Development	HR Strategies, Policies, Procedures and Plans; Job evaluation and Work-study Reports.
Programme 1B. Chief Operations Officer	
Office of the Director General	Ministerial and DG Submissions Risk Management
<u>Sub- Programme:</u> Policy Planning, Governance Monitoring and Evaluation (PPGM&E)	DST Annual Report, Business plan; Performance information management reports; Institutional and system reviews and supporting documentation; Minutes of meetings, Liaison with DST entities (forum meeting minutes - Chairpersons, CEO and CFO); Progress and Appraisal reports; Frameworks and guidelines; Commissioned Reports.
<u>Sub-Programme:</u> Internal Audit	Minutes of Audit Committee Meetings; Internal Audit Reports; Audit Committee Reports, Charters; Memoranda of Agreement.
<u>Sub- Programme:</u> Science Communication	Speeches; Corporate publications; Extracts from research reports; Photographs.
HR Sourcing and Maintenance	HR Strategies, Policies, Procedures and Plans; Personnel Files; Leave Register.

Programme/Sub-programme	Records Title
<u>Sub-Programme:</u> National Advisory Council on Innovation (NACI)	Appointments, Acceptances and Declines of Members of Council, Committees and Sub-committees; Study Management.
PROGRAMME 2: TECHNOLOGY INNOVATION	
Office of the Deputy Director General	
<u>Sub-Programme:</u> Biotechnology and Health	Strategies; Centres of Competence; regulations; correspondence, decisions and interactions with Agencies; Farmer to Pharma Grand Challenge; GMO applications (without confidential information).
<u>Sub-Programme:</u> Space Science	Upgrade the capabilities of the Satellite Application Centres.
<u>Sub-Programme:</u> Innovation Priorities and Instruments	Model for fiscal incentives for R&D.
<u>Sub-Programme:</u> Knowledge Development on Indigenous Knowledge Systems	Knowledge Management; Indigenous Knowledge Systems study documents and reports - refer to www.NIKSO.dst.gov.za ; National Recordable system.
PROGRAMME 3: INTERNATIONAL CO-OPERATION AND RESOURCES	
Office of the DDG	
<u>Sub-Programme:</u> Overseas Bilateral Cooperation	Agreements
<u>Sub-Programme:</u> International Resources	Project brochures Links to project websites Project Workshop and information sessions
<u>Sub-Programme:</u> Multilateral Cooperation and Africa	Fellowships Study opportunities Unit Brochures Collaboration reports
PROGRAMME 4: RESEARCH DEVELOPMENT AND SUPPORT	
Office of the DDG	

Programme/Sub-programme	Records Title
<u>Sub-Programme:</u> Basic Sciences and Infrastructure	Facilitate strategic partnerships and programmes to develop new research infrastructure and access to new research infrastructure.
<u>Sub-Programme:</u> Human Capital & Science promotion	Centres of Excellence; Research Chairs; Study reports; Bursary information.
<u>Sub-Programme:</u> Astronomy Advances	Square Kilometre Array Information; refer to www.SKA.ac.za ; Astronomy legislative process and regulations; Declarations.
PROGRAMME 5: SOCIO-ECONOMIC PARTNERSHIPS	
Office of the Deputy Director General	Grand Challenges, with implementation plans and concept documents; Strategic frameworks.
<u>Sub-Programme:</u> Science & Technology Investment	Surveys and statistical reports; Company responses to surveys.
<u>Sub-Programme:</u> S&T for Social Impact: Innovation for Inclusive Development	Build partnerships, provide investment support, and fund pilots.
<u>Sub-Programme:</u> S&T for Economic Impact: Sector Innovation and Green Economy	Final Research reports.
<u>Sub-Programme:</u> S&T for Economic Impact: Technology Localisation Beneficiation and Advanced Manufacturing	Strategies Intellectual property and patented information; Technology Localisation Plan; Process Control Manual; Technology Assistance Packages Guidelines.

Annexure C

REPUBLIC OF SOUTH AFRICA

FORM A**REQUEST FOR ACCESS TO RECORD OF PUBLIC BODY**

(Section 18 (1) of the Promotion of Access to Information Act, 2000

(Act No. 2 of 2000)

[Regulation 2]**FOR DEPARTMENTAL USE****Reference Number:** _____Request received by _____ (state rank,
name and surname of information officer / deputy information officer on
(date) _____ at _____ (place)

Request fee R _____

Deposit fee (if any): R _____

Access fee (if any) R _____

Signature: Information Officer/Deputy Information Officer

A. Particulars of public body

The Head:

B. Particulars of person requesting access to the record

- (a) The particulars of the person who requests access to the record must be given below.
 (b) The address and/or fax number in the Republic to which the information is to be sent must be given.
 (c) Proof of the capacity in which the request is made, if applicable, must be attached.

Full names and surname:

Identity number:

--	--	--	--	--	--	--	--	--	--	--	--	--	--

Postal address:

Telephone number: (.....) Fax number: (.....)

E-mail address:

Capacity in which request is made, when made on behalf of another person:

C. Particulars of person on whose behalf request is made

This section must be completed ONLY if a request for information is made on behalf of another person.

Full names and surname:

Identity number

--	--	--	--	--	--	--	--	--	--	--	--	--	--

D. Particulars of record

- (a) Provide full particulars of the record to which access is requested, including the reference number if that is known to you, to enable the record to be located.
 (b) If the provided space is inadequate, please continue on a separate folio and attach it to this form. The requester must sign all the additional folios.

1. Description of record or relevant part of the record:

.....

.....

.....

.....

FORM A: REQUEST FOR ACCESS TO RECORD OF PUBLIC BODY

2. Reference number, if available:

.....

.....

.....

.....

3. Any further particulars of record:

.....

.....

.....

.....

E. Fees

- | | |
|-----|---|
| (a) | A request for access to a record, other than record containing personal information about yourself, will be processed only after a request fee has been paid. |
| (b) | You will be notified of the amount required to be paid as the request fee. |
| (c) | The fee payable for access to a record depends on the form in which access is required and the reasonable time required to search for and prepare a record. |
| (d) | If you qualify for exemption of the payment of any fee, please state the reason for exemption. |

Reason for exemption from payment of fees:

.....

.....

.....

.....

.....

FORM A: REQUEST FOR ACCESS TO RECORD OF PUBLIC BODY**F. Form of access to record**

If you are prevented by a disability to read, view or listen to the record in the form of access provided for in 1 to 4 below, state your disability and indicate in which form the record is required.

Disability: Mark the appropriate box with an X . NOTES: (a) Compliance with your request for access in the specified form may depend on the form in which the record is available. (b) Access in the form requested may be refused in certain circumstances. In such a case you will be informed if access will be granted in another form. (c) The fee payable for access to the record, if any, will be determined partly by the form in which access is requested.	Form in which record is required:
---	-----------------------------------

1. If the record is in written or printed form:					
	copy of record*		inspection of record		
2. If record consists of visual images - (this includes photographs, slides, video recordings, computer-generated images, sketches, etc.):					
	view the images		copy of the images*		transcription of the images*
3. If record consists of recorded words or information which can be reproduced in sound:					
	listen to the soundtrack (audio cassette)		transcription of soundtrack* (written or printed document)		
4. If record is held on computer or in an electronic or machine-readable form:					
	printed copy of record*		printed copy of information derived from the record*		copy in computer readable form* (stiffy or compact disc)

*If you requested a copy or transcription of a record (above), do you wish the copy or transcription to be posted to you? Postage is payable.	YES	NO

G. Particulars of right to be exercised or protected

If the provided space is inadequate, please continue on a separate folio and attach it to this form. The requester must sign all the additional folios.

1. Indicate which right is to be exercised or protected:

.....

.....

.....

2. Explain why the record requested is required for the exercise or protection of the aforementioned right:

.....

.....

.....

FORM A: REQUEST FOR ACCESS TO RECORD OF PUBLIC BODY**H. Notice of decision regarding request for access**

You will be notified in writing whether your request has been approved / denied. If you wish to be informed in another manner, please specify the manner and provide the necessary particulars to enable compliance with your request.

How would you prefer to be informed of the decision regarding your request for access to the record?

.....

Signed at this day..... ofyear

.....
SIGNATURE OF REQUESTER /
PERSON ON WHOSE BEHALF REQUEST IS MADE

UMTHETHO WOKUGQUGQUZELA UKUTHOLA ULWAZI KUMQULU, 2000

NJENGOBA KUDINGWA ISIGABA 14 (2) SOMTHETHO
SOKUGQUGQUZELWA UKUFINYELELA

OLWAZINI

(i-PAIA) (Mthetho no. 2. Ka 2000)

1. I-DST –Ukukhuthaza Ukuthola ulwazi loMqulu (V09)

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1. Isingeniso

Lo Mqulu ("Lo Mqulu") ushicilelwe ngokweSigaba 14 (2) soMthetho Wokukhuthaza Ukufinyelela Olwazini No. 2 ka-2000 ("uMthetho"). UMthetho uhlinzeka imigomo yeSigaba 32 soMthethosisekelo, okuhlinzekela ilungelo lokufinyelela kolwazi oluphethwe nguHulumeni kanye nolwazi olugcinwe omunye umuntu oludingekayo ekusebenzeni kanye / noma ukuvikelwa kwanoma yiliphi ilungelo.

Inhloso yalo Mthetho ukugqugquzela isiko olusobala nokuphendula phakathi komphakathi kanye nezinkampani zangasese ngokufaka noma yimuphi umuntu onelungelo lokuthola ulwazi ukuze bekwazi ukulisebenzisa futhi uvikele wonke amalungelo abo ngokugcwele ngendlela edingekayo.

Inhloso yalo Mqulu ukubeka izinqubo okumelwe zilandelwe kanye nemigomo okufanele ihlangabezane nanoma ubani ("ocelayo") ukucela ukufinyelela kumarekhodi kulelo hlaka noma kulawulo uMnyango Wezesayensi

Nezobuchwepheshe ("Department of Science and Technology DST").

2. Ukufaka Isicelo Somthetho Sokugqugquzelwa Kokufinyelela Kolwazi (ngemuva kwalokho okubizwa ngokuthi yi-PAIA)

Umthetho wokugqugquzela kokufinyelela kolwazi (no. 2 ka-2000) kusebenza kuMnyango njengombutho womphakathi, ikakhulukazi maqondana nezinhlelo zangaphakathi zokurekhoda.

3. Inhloso yoMqulu ngokuya kwe-PAIA

Inhloso yalo Mqulu ukukhombisa izakhiwo nemisebenzi yoMnyango futhi uchaze izinhlelo zawo zokurekhoda ukwenza izinhloso zibelula ze-PAIA.

4. Ikhomishini Yamalungelo Abantu baseNingizimu Afrika (South African Human Rights Commission “SAHRC”) umqondisi womthetho.

Isigaba 10 soMthetho sidinga Ikhomishana Yamalungelo Abantu baseNingizimu Afrika (South African Human Rights Commission SAHRC) ukushicilela umhlahlandlela onolwazi oludingekile kumuntu ofisa ukusebenzisa noma avikele noma yimaphi amalungelo ngokwalo Mthetho.

Umhlahlandlela, oshicilelwa ngazo zonke izilimi ezisemthethweni, oqukethe imininingwane:

- wonke amahhovisi olwazi lwezinhlangano zikahulumeni nezimele;
- amakheli kanye nemininingwane yokuxhumana yalokho; futhi
- izinhlobo zosizo olutholakala emahhovisi olwazi kanye neKhomishini Yamalungelo Abantu baseNingizimu Afrika.

4.1. Ukutholakala nokufinyelela kuMhlahlandlela:

Umhlahlandlela uyatholakala ukuze uhlolwe kusuka:

- yonke imitapo yolwazi yomphakathi; futhi
- lwebhusayithi yeKhomishini Yamalungelo Abantu baseNingizimu Afrika – www.sahrc.org.za

Nanoma yimiphi imibuza ngalokhu, sicela uthintane ne-SAHRC ngqo :

Ikheli leposi:

The South African Human Rights Commission
Promotion of Access to Information Act Unit
Research and Documentation Department

Private Bag 2700
Houghton, 2041

Ucingo: +27 11 484-8300
I-fax: +27 11 484-0582
Iwebhusayithi: www.sahrc.org.za
Imeyili: paia@sahrc.org.za

5. Imininingwane Yokuxhumana ye-DST

Igama lenhlangano: UMnyango Wezesayensi Nezobuchwepheshe

Ikheli leposi

Department of Science and Technology
Private Bag X894
Pretoria
0001

Ikheli lomzimba

Building 53 Scientia
Campus
Meiring Naude Road
Brummeria
Pretoria

Ucingo:

Fax:

webhusayithi:

(012) 843 6300 i-

(012) 317 4363

<http://www.dst.gov.za>

Isikhulu Solwazi:

Ucingo:

IFax:

Imeyili:

UMqondisi-Jikelele

(012) 843 6815

0866 810006

paia@dst.gov.za

Izicelo zidingwa ukubhekisa zonke izicelo kuSikhulu Solwazi.

Iphini Lesiphathimandla Solwazi:

Ucingo:

I-Fax:

Imeyili:

Iphini Lomqondisi-Jikelele:

Amasevisi Ezinkampani

(012) 843 6632

0865 508 775

paia@dst.gov.za

6. Isakhiwo nemisebenzi

UNgqongqoshe:

Isekela likaNgqongqoshe:

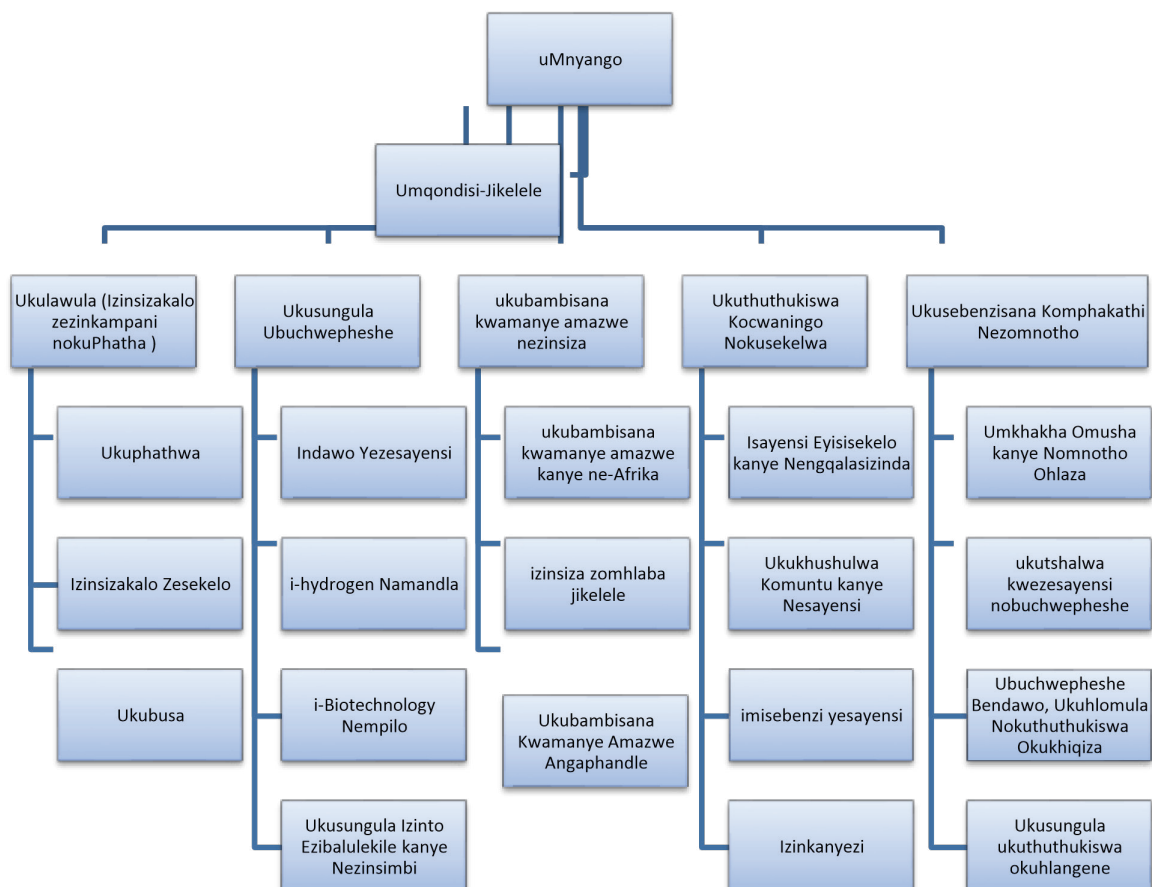
Msibi

Umqondisi-Jikelele:

UMhlonishwa uNaledi Pandor

UMhlonishwa uZanele Magwaza-

UDkt Phil Mjwara



1. I-DST –Ukukhuthaza Ukuthola ulwazi loMqulu (V09)

Ikhas

i 7

Ukuze uthole isakhiwo somhlangano ophelele, sicela ubheke iwebhusayithi ye-DST :
www.dst.gov.za

6.1. Izinhlelo Uhlelo

6.1.1. Umhlelo1: Izinsizakalo zomphakathi , ukuhlelwa kwezikhungo nokusekelwa

Ubhekele ukuphathwa jikelele koMnyango futhi inikeza izinsizakalo zokusekela phakathi. Kubuye kuqinisekiswa ukuthi izinhlangano ezixhasiwe zihambisana nemikhuba emihle yokuphatha izinkampani futhi zihambelana nokugxila kwesu loHlelo lukaZwelonke Lokusungula (National System of Innovation NSI). Ihlola futhi ihlolisise amabhodi esayensi.

6.1.2. Uhlelo 2: ukusungula kochwepheshe

Uhlelo luhlose ukuvumela Ucwango Nentuthuko(Research&Development R&D) ezindaweni okugxilwe kuzo futhi ezikhulayo (indawo yesayensi, amandla , ibiotechnology, i-nanotechnology, i-robotics, i-photonics, kanye nezinhlelo zolwazi lwendabuko)ukuphathwa kwempahla ngobuhlakani, ukudluliselwa kwezobuchwepheshe kanye nezobuchwepheshe ukuze kuthuthukiswe ukufezwa imikhiqizo yezohwebo, izinqubo kanye nezinsizakalo ezivela ku-R & D ngokusebenzisa ukuqaliswa kokuvumela izinsimbi zomthetho.

6.1.3. Uhlelo 3: Ukubambisana Kwamanye Amazwe Nezinsiza

Lolu hlelo luhlose ukuthuthukisa ngokuhlelekile, ukukhuthaza nokuphatha ubuhlobo bomhlaba wonke , amathuba kanye nezivumelwano ze-S & T eziqinisa uHlelo lukaZwelonke Lokusungula (National System Of Innovation NSI) futhi lunike amandla olwazi olukhona lwango-2016 , amandla kanye nezinsiza phakathi

kweNingizimu Afrika kanye nabalingani bayo besizwe nabangaphandle. Uhlelo luphinde lusekele inqubomgomo yangaphandle yaseNingizimu Afrika ngokusebenzisa isayensi yokuxhumana.

6.1.4. Uhlelo 4: Ukuthuthukiswa Kocwaningo Nokusekelwa

Lolu hlelo luhlose ukuhlinzeka ngemvelo evumela ukucwaninga nokukhiqizwa kolwazi olukhuthaza ukuthuthukiswa kwezesayensi esiyisekelo kanye nezindawo zesayensi eziza kuqala, ngokusebenzisa ukukhuthazwa kwesayensi, ukuthuthukiswa kwemali yabantu, ukuhlinzekwa kwengqalasizinda socwaningo kanye nokusekelwa kucwaninga olufanele, lokucinga ushintsho emnothweni wolwazi waseNingizimu Afrika.

6.1.5. Uhlelo 5: Ubudlelwane Bokusungula izinto Eziphathelene nenhlalo nezomnotho

Ukuthuthukiswa kokukhula kanye nokuthuthukiswa kokuqala kukahulumeni ngokusebenzisa isayensi ehlosiwe kanye nokusekelwa ukusungula kwezinto ezintsha zobuchwepheshe kanye namasu okuthuthukiswa ubudlelwane obuhle neminye imnyango kahulumeni, imboni izikhungo zocwaningo nemiphakathi, .

6.2. Imisebenzi Eyisisekelo

6.2.1. Isizinda somlando woMnyango

UMnyango Wezesayensi Nezobuchwepheshe (Department of Science and Technology DST) uthola igunya layo kusuka kwi-White Paper yeSayense Nezobuchwepheshe ka-1996. Ekuqaleni kwakuyingxenye yoMnyango Wezobuciko Namasiko, Isayensi Nezobuchwepheshe, eyasungulwa ngo-1994. Kwabe sekuhlukaniswa uMnyango Wezobuciko Namasiko kanye noMnyango Wezesayensi Nezobuchwepheshe ngo-2002. Ngo-2004, uMnyango waba

uMnyango ozimele. Igceke eliyisisekelo leSayensi, Ubuchwepheshe Kanye Nokusungula (Science, Technology and Innovation STI) badlala indima ebalulekile ekukhuleni komnotho kanye nentuthuko yezenhlalo nezomnotho.

6.2.2. Inhloso ye-DST

I-DST ifuna ukuqaphela amandla ngokugcwele esayensi nobuchwepheshe ekuthuthukiseni kwezenhlalakahle nezomnotho ngokuthuthukiswa kwemithombo yabantu, ucwaningo kanye nokusungula.

Lokhu kuhlenganisa ukungenelela okugxile, ukuxhumana kanye nokwenza njengesizathu sokwenza ushintsho ngokwezinto ezimbili ezikhiqizayo omnotho wethu, okwenza kube ukuncintisana emvelweni wokuncintisana emhlabeni jikelele futhi ngokuphathelene nomlando omkhulu wokuthuthukiswa okhona phakathi kwezingxenywe ezihluphekile kakhulu zomphakathi wethu. Umgomo wokuqaphela lo mbono uphaswe ngokuthuthukiswa kanye namasu okusekela ukubunjwa kwesayensi, ubunjiniyela kanye nobuchwepheshe bentuthuko yabantu, ntando yeningi yombuso nomphakathi, nokuqinisekisa ukusimama kwemvelo ezinhlelweni zokuthuthukiswa.

6.2.3. Isiqondiso samasu

Ukulondoloza isisekelo esanele sesayensi nokuyihumushela kwimisebenzi futhi ukukhula kubangela ezinye izinselelo ezinkulu. Indlela yokusungulwa Uhlelo Lukazwelonke Lokusungula (National System of Innovation NSI) ekuqapheliseni okungekona ukusungula okusho- lapho ukusebenza kungumsebenzi hhayi nje kuphela yokusungula izinhlangano ezizimele kodwa futhi nobuhlobo kanye namanethiwekhi phakathi kwezikhungo – kuqhubeka nokushayela uhulumeni ngokubamba iqhaza lokususa, umgugquzeli kanye nomtshali wesu.

6.2.4. Imigomo

Izinjongo ezinhlanu eziyinhloko ze-DST zifanele -

- ukuthuthukisa amandla okusungula uHlelo likaZwelonke Lokusungula (National System of Innovation NSI) futhi ngaleyo ndlela kubambe iqhaza ekuthuthukisweni kwezenhlalakahle ;
- ukwandisa ikhono lokukhiqiza ulwazi lweNingizimu Afrika ukuze kuvezwe amaphepha okucwaninga emhlabeni bese uphendulela okunye okutholwe phambili ekukhiqizeni imikhiqizo nezinqubo zokusungula;
- ukuthuthukisa i-STI eqondene nomuntu ukuze ihlangabezane nezidingo zomphakathi;
- ukwakha ingqalasizinda se-STI somhlaba wonke ekwandiseni imingcele yolwazi, ukuqeqesha isizukulwane esilandelayo sabacwaningi , futhi unike amandla ukuthuthukiswa kobuchwepheshe nokudluliselwa , kanye nokwabelana ngolwazi; futhi
- Isikhundla saseNingizimu Afrika njengomlingani we-RDI womhlaba jikelele futhi kudluliselwa khona ngokushintshaniswa kolwazi, amandla kanye nezinsiza phakathi kweNingizimu Afrika kanye nesifunda sayo kanye nabanye abalingani bamazwe ngamazwe, ngaleyo ndlela kuqinise i-NSI.

6.2.5. Izinselelo Ezinkulu

Impumelelo yohlelo lwe-DST Lweminyaka Eyishumi Lohlelo Lokusungula - 20082018 (Ten Year Innovation Plan TYIP) kuncike ekufezeni nokufeza imigomo engenhla. Lolu Hlelo lubonisa ukucubungula okuyisisekelo, okufingqiwe njengezinselele ezinkulu eNingizimu Afrika kwisayensi nobuchwepheshe (science & technology S&T). Izinselele ezinkulu zilandelayo ilezi:

- **Umlimi kuya ku-Pharma:** Eminyakeni eyishumi ezayo, INingizimu Afrika kufanele ithuthukise umnotho wezolimo ukuze ibe ngumholi wezwe kubiotekhnology kanye nemithi (pharmaceuticals), isebenzisa izinsiza zomdabu zesizwe sentuthuko entsha i-genomics.
- **Indawo ye-S&T:** INingizimu Afrika izoba yingxenye ebalulekile kanye nomlingani wendawo jikelele i-S & T ngokusebenzisa Ihlango Yendawo kaZwelonke, imboni yesiphuphutheki esikhulayo kanye nobuningi bokusungula indawo yomkhakha wesayensi, kubandakanya ukubuka umhlaba, ukuxhumana, ukuhamba kanye nokubunjiniyela.
- **Ukuphepha Kwamandla:** Kuphephile, kuhlanzekile, kushibhile futhi izinto ezinokwethenjela zamandla zisesidingo somhlaba jikelele, futhi iNingizimu Afrika kufanele ihlangabezane nezimfuneko zayo zokunikezela kwamandla aphakathi nesikhathi esizayo eside ekubuchwepheni bokuhlanzeka kwamalahle, amandla e-nuclear, amandla avuselelayo kanye nesithembiso somnotho we-hydrogen.
- **Ushintsho Lomhlaba Jikelele:** INingizimu Afrika kufanele ixhaphaze indawo yayo, okuyinto eyenza ukuba idlale indima ehamba phambili kwisayensi yokuguquka kwesimo sezulu.
- **Ubudlelwane babantu nezinhlalakahle:** Njengamazwi ahamba phambili emazweni asathuthuka, INingizimu Afrika kufanele ihlanganyele ekuqondeni okukhulu emhlabeni jikelele kokushintshashintsha izintambo zomphakathi, kanye nendima yesayensi ekukhuthazeni ukukhula nentuthuko.

7. Izinhlangothi zomphakathi ezibika ku-DST

- Iyunivesithi Sesayensi yaseNingizimu Afrika (Academy of Science of South Africa ASSAF)
- Umkhandlu Wezesayensi Nezocwaningo Zamabhizinisi (Council for Scientific and Industrial Research CSIR)
- Umkhandlu Wocwaningi Lwesayensi Yabantu (Human Sciences Research Council HSRC)
- Isisekelo Socwaningo Lukazwelonke (National Research Foundation NRF)
- Inhlangothi Yokusungula Ubuchwepheshe (Technology Innovation Agency TIA)
- Inhlangothi yeNdawo kaZwelonke eNingizimu Afrika
- Inhlangothi Yokuthuthukiswa Kwesayensi Nobuchwepheshe
- Igunya Lokuphatha Izinkanyezi (astronomy)
- Umkhandlu kaZwelonke Wokusungula
- Ihhovisi Likazwelonke Lokuphathwa Kwempahla

8. Imithetho elawulwa i-DST

- uMthetho 67 ka 2001 Weyunivesithi Zesayensi eNingizimu Afrika
- Isikhungo sase-Afrika soMthetho waseNingizimu
- uMthetho 23 ka 1968 Wocwaningo Lwesayensi Yabantu
- uMthetho 21 ka 2007 Wendawo Yenzuzo Yezinkanyezi
- uMthetho-51 ka-2008 Yamalungelo Empahla Yengqondo Yomsebenzi Wezokucwaninga Nokuthuthukiswa Komphakathi
- uMthetho 55 ka 1997 Womkhandlu Weluleka kaZwelonke Mayelana Nokusungula
- uMthetho 23 ka 1998 Wesisekelo Socwaningo kaZwelonke
- uMthetho 106 ka 2003 Wezesayensi kaZwelonke
- uMthetho 27 ka-2003 Wezobuchwepheshe Bezesayensi Yemvelo
- Umthetho ka-2011 Wokuchitshiyelwa koMthetho Wezesayensi Kwezobuchwepheshe
- uMthetho 46 ka-1988 Womkhandlu Wocwaningo Wezesayensi

- uMthetho 36 ka-2008 Wenhlangano Yendawo yaseNingizimu Afrika
- uMthetho 26 ka-2008 Wendawo Yokusungula Yezobuchwepheshe
- Ukugqugquzela Ukufinyelela kuMqulku woLwazi

9. Inqubo yokufinyelela

9.1. Indlela yokwenza isicelo

Gcwalisa ifomu lesicelo elikhona ku-DST. Ukucela ifomu, thumela i-imeyili ku-paia@dst.gov.za. Ifomu litholakala ngezilimi ezilandelayo ¹:

- isiNgisi
- isiZulu
- i-Sepedi.

Yonke imibuzo kufanele iqondiswe kuSikhulu Solwazi:

Isikhulu Solwazi:	UMqondisi-Jikelele
Ucingo:	(012) 843 6815
I-Fax:	0866 810 006
Imeyili:	paia@dst.gov.za

9.2. Izihloko kanye Nemikhakha yamarekhodi aphethwe nguMnyango Wezesayensi Nezobuchwepheshe

9.2.1. Ukudalulwa okuzenzakalelayo:

Uhlu lwezigaba zamarekhodi atholakala kubantu ngaphandle kokucela ukufinyelela ngokwemigomo Yokukhuthazwa Kokufinyelela uMthetho Wolwazi kufakwe njengeSithasiselo A. La marekhodi atholakala kwiwebhusayithi ye-DST.

¹ Njengamanje i-DST inefomu etholakalayo kulezi zilimi ezintathu. Izicelo kwezinye izilimi nazo zizocatshangelwa.

9.2.2. Amarekhodi atholakalayo ngesicelo:

Uhla lwezigaba zamarekhodi, ezenziwa nguMnyango futhi zingacelwa ngokulandela Ukukhuthazwa Kokufinyelela uMthetho Wolwazi kufakwe njengeSithasiselo B. Ukufinyelela kula marekhodi kufanele kucelwe kwiSikhulu Solwazi ngokulandela inqubo engezansi .

9.3. Ukukhokhwa kwemali ebekiwe:

Njengoba kulandelwe uMthetho, imali engu-R35.00 kumele ihambisane nesicelo solwazi . Lokhu kukhokhwa ngesheke, ukheshi (uma kulethwa ngesandla) noma efakwe ku-akhawunti ye-DST yasebhang (ubufakazi bokuthi idiphozi (kufakwe) kufanele ihambisane nefomu lesicelo)

Igama le-akhawunti:	UMnyango Wezesayensi nobuchwepheshe
Ibhang:	ABSA Bank
Inombolo Ye-akhawunti:	4056183523
Inombolo Yegatsha:	323645
Uhlobo lwe-Akhawunti:	I-akhawunti yeDisposithi

9.4. Ukuqinisekiswa nokuvuma isicelo

Isikhulu Solwazi se-DST sithola futhi siqinisekisa isicelo sokubona ukuthi imininingwane edingekayo iyatholakala ku-DST. Isicelo samukelwa ngaleso sikhathi , siqatshelwe noma sidluliselwe kubagcini abafanele bolwazi oludingekayo . Ukuvuma kuzothunyelwa kumfakisicelo ukuqinisekisa isimo sesicelo.

9.5. Ukucutshungulwa kolwazi

Uma isicelo samukelwa, i-DST izoqoqa futhi ilungise ulwazi futhi ibale izindleko ezithintekayo. Izindleko zibalwa maqondana nemali enqunyiwe njengoba kucacisiwe kuThebula 1 : Imali mayelana Namalunga Omphakathi.

1. I-DST –Ukukhuthaza Ukuthola ulwazi loMqulu (V09)

9.6. Isaziso Sokugcina

Umceli uzokwaziswa ngokuqedwa kwesicelo kanye nemali ekhokhwayo ku-DST.

9.7. Ukukhokha nokudiliva

Uma ukukhokha njengoba kuchaziwe ngenhla kuyamukelwa, ulwazi lukhishwa kumceli.

Ifomu elibekiwe kufanele ligcwaliswe ngemininingwane eyanele okungenani linike Isikhulu soLwazi ukuba sikwazi ukubona:

- Amarekhodi (ama) aceliwe .
- Ubunikazi bomfakisicelo.
- iLiphi uhlobo lokufinyelela oludingekayo, uma isicelo sinikeziwe;
- Ikheli leposi noma ikheli le-imeyli noma inombolo ye-fax yomfakisicelo.

Umfakisicelo kumele asho ukuthi ufuna ulwazi ukuze asebenzise noma uvikele ilungelo, futhi uchaze ngokucacile ukuthi uhlobo luni olufanele lusetshenziswe noma luvikelwe .Ngaphezu kwalokho, umfakisicelo kufanele acacise ngokucacile ukuthi kungani irekhodi idingeka ukuze livivinye noma livikele lelo lungelo.

Umnyango uzocubungula isicelo zingakapheli izinsuku ezingu-30 zokusebenza, ngaphandle uma umfakisicelo esho izizathu ezikhethekile, okwakunganelisa iSikhulu Solwazi ukuthi izimo zibeka ukuthi izikhathi ezingenhla zingavunyelwanga. Isikhathi sezinsuku ezungu-30 singadluliselwa isikhathi esithile sezinsuku ezingu-30 uma isicelo solwazi oluningi, noma isicelo sidinga ukucinga ulwazi olugcinwe kwenye ihhovisi lesikhungu futhi ulwazi alutholakali ngaphakathi isikhathi sokuqala samalanga angu-30. I-DST izokwazisa umfakisicelo ngokubhaliwe kufanele kufakwe isandiso.

Uma isicelo senziwa egameni lomunye umuntu, khona-ke ofake isicelo kumele afake ubufakazi bokuthi umfakisicelo wenza isicelo sinikeze ukwaneliseka koSikhulu soLwazi.

Uma umuntu engakwazi ukugcwalisa ifomu elibekiwe ngenxa yokungafundi nokukhubazeka okuthile, umuntu onjalo angenza isicelo ngomlomo . Umfakisicelo

kumele akhokhe imali enqunyiwe, ngaphambi kokuqhubeka nokucubungula okungenzeka .

9.8. Imali

Lo Mthetho uhlinzekela izinhlobo ezimbili zemali:

- Isicelo semali, okuyinto ezoba yimali ejwayelekile, kanye nemali yokufinyelela , okubalwa ngokubheka izindleko zokukhiqiza, ukusesha kanye nesikhathi sokulungiselela kanye nezindleko , kanye nezindleko zokuposa.
- Lapho isicelo samukelwa iSikhulu soLwazi, leso sikhulu kufanele senze isaziso esidinga umfakisicelo, ngaphandle kwalokho umfakisicelo somuntu siqu, ukukhokha imali enqunyiwe (uma kukhona), ngaphambi kokuqhutshekelwa kwesicelo.
- Uma ukukhishwa kwerekhodi kwenziwe futhi ukulungiselela irekhodi lokudalulwa, (kufaka phakathi isilungiselelo sokwenza ukutholakale kwefomu eliceliwe, kudinga okungaphezulu kwamahora anqunywe asemithethweni alenhloso, isikhulu solwazi sizokwazisa umfakisicelo ukuthi akhokhe njengediphozi yengxenye ekhethiwe yemali yokufinyelela, okuzokhokhelwa uma isicelo sinikezwa.
- Isikhulu soLwazi sizobamba irekhodi kuze kube yilapho umfakisicelo ekhokha imali njengoba kuboniswe ngenhla.
- Umfakisicelo ocela isicelo sokufinyelela kwerekhodi elinikeziwe, kumele akhokhe imali yokufinyelela ekukhiqizeni kanye nokusesha nokulungiselela, futhi nganoma yisiphi isikhathi esidingekayo ngaphezu kwamahora anqunywe afanele futhi ulungiselele irekhodi lokudalula, kuhlenganise nokwenza amalungiselelo okwenza kutholakale ifomu eceliwe.
- Uma idiphozi isikhokhiwe emayelana nesicelo sokufinyelela, okuyinto enqatshelwe , khona-ke isikhulu solwazi esizobheka sizobuyisela idiphozi kumfakisicelo.

Ithebula 1: Imali mayelana namaBhodi kaHulumeni Imali elandelayo isebenza:

INCAZELO	INANI(R)
Imali yesicelo ekhokhwa yilowo nalowo ofaka isicelo	35.00
Ikhophi yalo mqulu njengoba kuhlangozwe kumthethonqubo 5 (c)(yonke ikhophi yephepha le-A4 noma ingxenye yalo)	0.60
Izimali zokukhiqiza okukhulunywa ngazo kumthethonqubo 7 (1) i lezi ezilandelayo:	
1) onke amakhophi ephepha le-A4 noma ingxenye yawo	0.60
2) Ikhophi ngayinye ephrintiwe ikhasi le-A4 noma ingxenye yalo ekhompuyutheni noma nge-elektronikhi noma kumshini	5.00
3) Ikhophi lefomu elifundekayo lekompuyutha: a) inkinga yesicwecwe b) icwecwe (ifomu elifundekayo)	5.00 40.00
4) Ukuthengiselana kwezithombe ezibukwayo : a) ikhasi elingu-A4 noma ingxenye yalo b) ikhophi yezithombe ezibukwayo	22.00 60.00
5) Ukuthengiselana kwerekhodi yomsindo: a) ikhasi elingu-A4 noma ingxenye yalo b) ikhophi yerekhodi elilalelwayo	12.00 17.00
Izimali zokufinyelela ezikhokhwa ngumfakisicelo nje ngalezi ezil andelayo:	
1) Yonke ikhophi yephepha eli-A4 noma ingxenye yalo	0.60
2) Yonke ikhophi ephrintiwe yekhasi elu-A4 noma ingxenye yayo ephethwe kukompuyutha noma ngefomu le-elektroniki noma lomshini ofundekayo	0.40
3) Ikhophi yefomu efundekayo kwikhompuyutha): a) inkinga yesicwecwe b) icwecwe	5.00 40.00
4) Ukubhalwa kwemifanekiso ebonakalayo , ekhasini elingu-A4 noma ingxenye yalo	22.00

5) Ikhophi yezithombe ezibukwayo	60.00
6) Ngokuthengiselana kwerekhodi yomsindo, a) ekhasini elingu-A4 noma ingxenye yalo b) ikhophi yamarekhodi alalelwayo	12.00 17.00
Ukucinga nokulungisa irekhodi lokudalula, R15, 00 ngehora ngalinye noma ingxenye yehora , ngaphandle kwehora lokuqala , okudingekayo ekufuneni nasekulungiseleleni okunjalo .	
I-postage yangempela ikhokhwa uma ikhophi yerekhodi kufanele ithunyelwe kumfakisicelo. Izindleko zokuthumela zixhomeke emalini afanelekayo ngokuya endaweni yokuposa .	

9.9. Ukwenqaba isicelo nokukhalaza

- Umceli kufanele aqaphele isigaba 7 (1) se-PAIA esisho okulandelayo:

“Lo Mthetho awusebenzi emrekhodini wendikimba yomphakathi noma ibandla elizimele uma —

- a) lelo rekhodi liceliwe ngenhloso yenkambiso yobugebengu noma izinyathelo zomphakathi ;
- b) eceliwe ngemuva kokuqala kwalolu daba lobugebengu noma lombuso, njengoba kunjalo; futhi
- c) ukukhiqizwa noma ukufinyelela kulawo marekhodi ngenhloso okukhulunywe ngayo esigabeni (a) kunikezwe kunoma yimuphi omunye umthetho.
- (d) izicelo zokuthola ulwazi, ku-DST 'inombono onengqondo , ngokusobala ehlukumezayo noma ukukhathazeka noma okubandakanya ukuhlukaniswa okungenangqondo kwemithombo ."

Uma isigaba 7 (1) sisebenza, ungase ungenise isicelo ngokwemigomo ye-PAIA.

- Izizathu zokwenqaba ezichazwe kwiNgxenye 2 yeSahluko 4 futhi Ingxenye 3 Isahluko 4 se-PAIA kufanele sigcinwe lapho senza izicelo .
- Umfakisisicelo angafaka isikhalazo sangaphakathi ngokumelene nesinqumo sesikhulu solwazi se-DST ukwenqaba isicelo sokufinyelela maqondana nesicelo negunya elifanele.
- Umuntu wesithathu angafaka isikhalo sangaphakathi ngokumelene nesinqumo sesiphathimandla solwazi se-DST ukunikeza isicelo sokufinyelela.

9.10. Indlela yokufaka isikhalazo, kanye nezimali zokukhalaza Isikhalazo

kufanele sifakwe kwifomu elibekiwe:

- Kungakapheli izinsuku ezingu-60 zokusebenza;
- Uma isaziso somuntu wesithathu sidingeka, zingakapheli izinsuku ezingu-30 ngemuva kokuba isaziso sinikezwe umfakisisicelo wesinqumo ucela; noma
- Uma isaziso kumfakisisicelo singadingeki, ngemuva kokuba isinqumo sithathwe kufanele sithunyelwe noma isikhulu solwazi sithumele ku-DST
- Kufanele uqaphele isihloko sesikhalazo futhi uchaze izizathu zesikhalazo futhi ingabandakanya nanoma yimuphi omunye onolwazi olufanele owaziwa ngumfakisisicelo ;
- Uma, ngaphezu kwempendulo ebhaliwe, umfakisisicelo ufisa ukwaziswa ngesinqumo ngesicelo sangaphakathi nganoma iyiphi enye indlela, kumele akhulume ngaleyo ndlela futhi anikeze imininingwane edingekayo ukuze aziswe
- Uma kukhona, kumele ihambisane nemali ebekiwe , futhi kufanele ucacise ikheli leposi noma inombolo ye-fax; futhi
- Uma isikhalazo sifakwa ngemuva kokuphela kwesikhathi esishiwo, igunya elifanele kumele, izizathu ezinhle ezibonisiwe. ukuvumela ukufakwa kwesikhathi sokukhalaza .

Uma lelo gunya elifanele lingavumeli ukufakwa kwesikhathi sokudlulisa isikhalazo, kufanele anikeze isaziso saleso sinqumo kumuntu ofake isikhalazo. Umfakisiselo ofaka isikhalazo ngokunqatshelwa kwesicelo sakhe sokufinyelela kumele akhokhe imali enqunyiwe yokufaka isicelo (uma ikhona). Uma inkokhelo enqunyiwe yesikhalazo ikhokhwa mayelana nokuphenya, isinqumo sokudluliswa kwesicelo singahle sikhokhwe kuze kube yilapho imali ikhokhwe khona. Ngokushesha lapho kungenzeka khona, kodwa kunoma yikuphi kungakapheli izinsuku eziyi-10 zokusebenza ngemuva kokuthola isikhalazo, isikhulu solwazi se-DST kumele sithumele igunya elifanele :

- Isikhalazo kanye nezizathu zakhe zesinqumo esithintekayo; futhi
- Uma isikhalazo sibhekene nokwenqaba noma ukunikeza isicelo sokufinyelela, igama, ikheli leposi, ifoni yekheli le-imeyili nezinombolo ze-fax, Noma yikuphi okutholakalayo, kwanoma yimuphi umuntu wesithathu okufanele aziswe ngesicelo.

9.11 Ukunika imvume yokufinyelela kumarekhodi

Ngokuhambisana nezinhlinzeko ze-PAIA, ukufinyelela kwamarekhodi adingekayo ku-DST kuzovunyelwa kuphela uma -

- Zonke izidingo zenqubo ezibekiwe ku-PAIA eziphathelele nesicelo esifinyelelile; futhi
- Ukufinyelela irekhodi eliceliwe / s akuvunyelwe ngokwemibandela yanoma yikuphi ukulahlwa okubekwe i-PAIA.
- Izizathu zokwenqaba zichazwe kwiNgxenye 2 yeSahluko 4 neNgxenye 3 Isahluko 4 futhi kuhlenganisa ukuvikelwa okuphoqelekile balokhu -
 - (a) ulwazi lwezohwebo lomuntu wesithathu;
 - (b) ulwazi oluthile oluyimfihlo;
 - (c) ukuphepha kwabantu ngabanye, nokuvikelwa kwempahla;
 - (d) amarekhodi anelungelo lokukhiqizwa ezinkambweni zomthetho;

- (e) izithakazelo zezomnotho kanye nezenhlalakahle zezezimali zeRiphabhulikhi kanye nemisebenzi yezohwebo yamabandla omphakathi;
- (f) ulwazi locwaningo lomuntu wesithathu, nokuvikelwa kolwazi locwaningo lomzimba womphakathi;
- (g) noma ulwazi oluthile mayelana nokusebenza kwamagatsha omphakathi

10. Isithasiselo A: Ukutholakala kolwazi olujwayelekile kwiwebhusayithi ye-DST

- Ulwazi jikelele lwe-DST
 - IOrganogram
 - Umbono, Umsebenzi kanye Namagugu
 - UMnyango
 - Imephu yomgwaqo eya emahhovisi e-DST
 - Imibuzo ebuzwa njalo
 - Uhlu lokuxhumana
- Izindawo Zokugxila ze-DST
 - Ucwanningo
 - Abalingani bokucwanninga
 - Ukwaziswa ngezimali zokucwanningo
 - Ukusungula
 - Imininingwane yokuxhumana ngezimali
 - Ubusha
 - Izindawo zokuzijabulisa zokuvashelwa
 - Izivivinyo
 - Amaqiniso
 - izixhumanisi zamawebhusayithi ezesayensi nezobuchwepheshe
 - ImiSebenzi
 - Usizo Lwezezimali

- Imisebenzi engaphezu kuka-2000
- ImiSebenzi ye-Bio
- Amathuba omsebenzi wezesayensi nobuchwepheshe
- Uhlelo lwentuthuko yentela ye-R & D
 - Iziqondiso, izincwajana kanye namafomu
 - Imisebenzi kanye neminye imibhalo ehambisana nentela ye-R & D
- Igumbi Lezindaba
 - Izindaba Zamuva
 - Izinkulumo
 - Ukushicilela Isibuyekezo/ Ukuxhumana
 - Umbukiso
 - Umbono Wabasha base-Afrika nge-STI
 - Umbono kaZwelonke mayelana nedatha yokwazisa inqubomgomo esekelwe
 - Indima yedatha ekulandeleni imigomo yokuthuthukiswa okusimeme nokuthuthukisa inqubomgomo eqinisekisiwe ye-Afrika
 - Indima yezomnotho ekufezeni imigomo esimeme yokuthuthukiswa ngokubheka idatha
 - Ukucubungula idatha kanye nezinhloso zokuthuthukiswa okusimeme
 - Ukunikezwa Kombiko we-DST ngoNyaka ka-2006/7 ePhalamende
 - Isethulo Kwisithangami Senqubomgomo ye-S & T . e-Japan, ngoNhlangulana 2005
 - Isethulo esithunyelwe uNkk Anita Canca
 - Ukuthuthukiswa Kocwaningo Lamandla e-SA
 - Isayensi, Ubuchwepheshe Kanye Nokusungula
 - Ukuqala kwe-GEOSS

- Ukuhlola Okwesikhashana Umthelela Kwesu le-R & D kaZwelonke
- Isayensi, Ubuchwepheshe Kanye Nokusungula: Ucwangingo lwesimo semvelo senqubomgomo se-SA
- Izinzuzo Zokuqhathanisa kanye Nokusebenzisana Kwengqalasizinda Socwangingo
- Uhlelo Lezesayensi Nobuchwepheshe e-SA
- Isethulo Esithangamini Sabahleli base-SA (SA National Editors' Forum SANEF); 22 kuLwezi 2003
- umkhakha-jikelele wesayensi nesiphakamiso sohlelo lwezobuchwepheshe - Isethulo senziwe ngezi 15 kuNtulikazi 2004, e-Brussels.
- Isethulo nge-Fourth World Congress Yabesifazane Basemaphandleni .pdf
- Ukubukezwa Uhlelo Lokusungula kwe-OECD e-SA
- Isu Lenkampani 2008
- Isikweletu Senhlangano Yendawo kaZwelonke .PPT
- I-India-Brazil-iNingizimu Afrika (India-Brazil-South Africa IBSA) - Umhlangano Wendawo Yesayense nesifundo Sezinkanyezi
 - o Umsakazo Wokuqwashisa Ezesayensi Nobuchwepheshe
 - o Ikhalela Yemicimbi o Iphephandaba le-DST
 - o Umbiko Wenyanga we-SKAO
 - o Izitatimende Zekhabhinethi
 - o Izincezu Zomqondo
- Isikhungo Sezinsiza
 - o Imibiko yonyaka
 - o Umthetho
 - o Amasu Nemibiko
- o Isu Lebhizinisi ye-DST 2010-13

- Ukubonelela Phambili Imibiko
 - Imibiko ye-R& D
 - Imibiko Yephrojekthi
 - Amaphephandaba
 - uMnyango Yokubukeza Imibiko
 - Imikhiqizo Yolwazi
- Ingqalasizinda socwaningo
- ingqalasizinda sotalagu
- Izincwadi Ezihlala Etafuleni elincane
 - Umhlangano Wendawo Yesayense nesifundo Sezinkanyezi
 - Izinsizakalo
- Izikhungo Zobuhle ○ Isikhungo Sobuhle Ekucwaningweni Kwe-Tb Biomedical
 - Isikhungo Sobuhle Ekuhlaselweni Kwezinto Eziphilayo
 - Isikhungo Sobuhle Ezintweni Eziqinile
 - Isikhungo Sokuhlonipha Izinyoni njengeZihluthulelo Zokulondolozwa
 - Kwezinhlobonhlobo Zezilwane Esikhungweni se-Percy Fitzpatrick
 - Isikhungo Sobuhle Ekuhloliseni
 - Isikhungo Sobuhle Emphakathini we-biotechnology e-FABI
 - Isikhungo Sobuhle Ekuhloleni Nasekhlaziyweni kwe-Epidemiological
- Uhlelo lokuvuselela intela ye-R & D
- Ukundlaleke ngobubanzi be-S&T
- Iphephandaba Lezinhlelo Ngendawo
- I-Sumbandilasat
- Umsakazo Wokuqwashisa Ezesayensi Nobuchwepheshe (Science and Technology Awareness Radio STAR)

- Ingxoxo ngoNhlangulana 2010
- Ingxoxo ngoNhlaba 2010 – e-Maropeng
- Ingxoxo ngoMbasa 2010 – e-Square Kilometre Array (SKA)
- Ingxoxo ngoNdasa 2010
- Ingxoxo ngoMasingana 2010
- Ingxoxo ngoZibandlela 2009 Ingxoxo ngoLwezi 2009
- Ingxoxo ngoMfumfu 2009
- Ingxoxo ngoMandula 2009
- Ingxoxo ngoNcwaba 2009
- Amathenda
 - Uhlaka lwenqubomgomo lokuzuza
 - Ababhidi abaphendulile
 - Abamathenda Bamanje
- Isiphakamiso se-NSW10 sethempulethi lokugcina.lombalo
- Imisebenzi
 - Imihlahlandlela yokubhalisa kwemsebenzi ye-DST
 - amathuba emisebenzi yangamuva
 - Xhumanisa ifomu le-Z83
 - Izinzuzo zokusebenzela i-DST
 - Ukubhalisa Isizinda Semininingwane ku-Inthenethi
- Isikhungo Semithombo Yolwazi
- Izixhumanisi
 - I-COFISA - Izethulo

-Imibhalo

- I-Square Kilometre Array (SKA Square Kilometre Array)
- INingizimu Afrika yaseJalimane Unyaka Wezesayensi 2012/13
- Ukusekelwa kwezimali zesabelomali
- Ingqungquthela Jikelele yokuguqulwa kwe-SAFIPA
- I-PRIAP
- Ukusekelwa jikelele ngosabelomali
- Uhlelo Lokuphathwa Kolwazi Lokusebenza (Performance Information Management System PIMS)
- Isikhungo Sezobuchwepheshe Besimo Sezulu Kanye Nenethiwekhi
- Izinhlangano
 - Inhlangano Yokusungula Ezobuchwepheshe
 - Umkhandlu Wocwaningo Lwesayensi Ngomuntu
 - Iyunivesithi Yesayensi yase-Ningizimu Afrika
 - Inhlangano yendawo kaZwelonke eNingizimu Afrika
 - Umkhandlu Wezocwaningo Lwesayensi Nokucwaninga Kwezezimboni
 - Isikhungo Sokuthuthukiswa Kwesayensi Nobuchwepheshe
 - Ihhovisi likaZwelonke Lokuphathwa Kwempahla
- Umthetho
- Mayelana ne-NIPMO
- I-Organogram
- Imicimbi ye-NIPMO
- Izinsizakalo
 - Isisekelo Socwaningo Lukazwelonke
 - Igunya Lokuphatha Izinkanyezi
 - Imininingwane yokuxhumana

11. Isithasiselo B: Izihloko kanye nemikhakha yamarekhodi agcinwe uMnyango Wezesayensi Nezobuchwepheshe

Uhlelo / Uhlelo_Phansi	Irekhodi Isihloko
UHLELO 1: IZINSIZAKALO ZE NKAMPANI, UKUSEKELWA KWEZIKHUNGO NOKUHLELA	
uHlelo 1A. Imisebenzi Kwinkamp ani	
Uhlelo Phansi: Isikhulu Esiphezulu Sezezimali (Chief Financial Officer CFO)	
ukuphathwa kwezezimali (ukuphathwa ukubalwa kwezezimali)	Ukulinganisa izindleko zikaZwelonke (Estimates of National expenditure ENE) Uhlaka lokusetshenziswa kwemali kwesikhathi esiphakathi (Medium Term Expenditure Framework MTEF), Izilinganiso Ezilungisiwe Zezindleko zikaZwelonke (Adjusted Estimates of National Expenditure AENE) Imibiko yokuxwayisa yasekuqaleni, umbiko wokuhlaziya izindleko, umbiko wokukhipha imali.
Ukubika ngezezimali	izitatimende zezimali, izimpahla kanye nezikweletu. Imibiko Esemthethweni Yemali kaZwelonke, Izitifiketi Zokuhambisana ngokwemigomo nezidingo ezincane zokubalwa kwezezimali kuHulumeni kaZwelonke, Isikhathi esincane kanye Nezitatimende Zezezimali Zonyaka kanye namarekhodi azo zonke Izinkokhelo Eziphathelele Imali, Izindleko, Izimpahla kanye Nezikweletu.
Uhlelo / Uhlelo_Phansi	Irekhodi Isihloko

Ukuphathwa Kokuthengiswa Kwezinto	Izinqubomgomo Zokuphathwa Kokuthengiswa Kwezinto Nezinqubo; Imininingwane Yomthengisi; Iziphakamiso ezivela kubahlinzeki bezinsizakalo; Amadokhumenti okubhida, kufaka phakathi amaminithi wokukhishwa kwebhidi; Iziphakamiso maqondana namaBhidi; Ukucaciswa Komkhiqizo kanye nemigomo yensizakalo; Amaminithi okuhlangana nabahlinzeki bezinsizakalo; Iziphakamiso maqondana nokulahlwa kwempahla; ukubhaliswa kwempahla; Imizuzu yamaminithi ekomidi lokulahlwa kwempahla; Ukuphathwa kwe-Fleet; Izimpahla kanye nezinhlelo zokuphatha izindawo; Amadokhumenti amathenda, kufaka phakathi amathenda anikeziwe.
<u>Uhlelo Phansi:</u> Inhloko yesikhulu so lwazi	
Izinhlelo Zolwazi	uhlelo lokutakula izinhlekelele; Izinqubomgomo ze-IT, izindinganiso nezinqubo zomqulu, Uhlelo lwezinsizakalo zeThisha, Isu le-IT.
Imininingwane yoLwazi kanye Nokuphathwa Kwamarekhodi	Isu Lokuphathwa Amarekhodi kanye nenqubomgomo, isu lokuphatha ulwazi, Umqulu we-PAIA.
<u>Uhlelo Phansi:</u> <u>Izinsizakalo</u> <u>Ezisizayo</u>	Izinqubomgomo zokuphepha kanye nezinqubo ; imibiko yokuthengiswa kokuphepha; ukwakha imifanekiso yevidiyo
<u>Uhlelo Phansi:</u> <u>Izinsizakalo</u> Zomthetho	Imithetho nemithethonqubo ye-DST, Izivumelwano, Imibono yezomthetho kanye nolwazi lwezomthetho, izinqubomgomo zomthetho, ukuhambisana nomqulu.
<u>Uhlelo Phansi:</u> Imithombo Yabantu	

Izinhlelo ezikhethekile	Amasu akwa-HR, Izinqubomgomo , Izinqubo nezinhlelo ; izinhlelo zokuzibandakanya ngokobulili nokukhubazeka (s) ; izinhlelo zokusiza abasebenzi ; Imibiko yokusiza kwabasebenzi ; Izimiso ze-Batho Pele ; izikhalazo nezinqubo zokuqondiswa kwezigwegwe Irejista Yesipho; .
Uhlelo / Uhlelo_Phansi	Irekhodi Isihloko
Ukuphathwa Kwethalente Nokuthuthukiswa Kwenhlangano	Amasu akwa-HR, Izinqubomgomo , izinqubo nezinhlelo ; Ukuhlolwa Komsebenzi kanye nemibiko yocwaningo lokusebenza.
Uhlelo 1B. Inhloko yesikhulu sol wazi	
Ihhovisi Lomqondisi Jikelele	UNGqongqoshe kanye nokuthunyelwa kwe-DG ukulawulwa kwezinhlekelele
<u>Uhlelo Phansi:</u> Inqubomgomo Ukuhlela, Ukuqapha Nokuphatha Nokuhlola (Planning, Governance Monitoring and Evaluation PPGM&E)	Umbiko we-DST wonyaka, Uhlelo lwebhizinisi ; Imibiko yokuphathwa kolwazi lomsebenzi; Izikhungo nokubuyekizwa kohlelo kanye nezincwadi ezisekelayo; Amaminithi emihlangano , Ukuxhumana nezinhlangano zeDST (isithangami semizuzu yomhlangano-Sihlalo , i-CEO ne-CFO); Intuthuko kanye nemibiko yokuhlola;Izinhlelo kanye nemihlahlandlela ; Imibiko Ethunyelwe.
<u>Uhlelo Phansi:</u> ukuhlolwa kwangaphakathi	Imizuzu Yemihlangano Yekhomidi Yokucwaninga; Imibiko Yangaphakathi Yokuhlola; Imibiko Yekomidi Yokuhlola,Imithethosisekelo; Incazelolwazi Yesivumelwano.
<u>Uhlelo Phansi:</u> Ukuxhumana kwezesayensi	Izinkulumo; Izincwadi zenkampani ; Ukukhishwa kwemibiko yocwaningo ; Izithombe.
Ukuhlola nokugcinwa kwe-HR	Amasu akwa-HR, Izinqubomgomo , Izinqubo neZinhlelo ; amafayela abasebenzi; Ukushiya Ukubhalisa

<u>Uhlelo Phansi:</u> Umkhandlu kaZwelonke Welulekiwe mayelana Nokusungula(National Advisory Council on Innovation NACI)	Ukuqokwa, ukwamukelwa kanye nokwenqaba kwamalungu omkhandlu, Amakomidi kanye namakomidi amancane ; ukuphathwa kokufunda.
UHELO 2: UBUCHWEPHESHE BOKUSUNGULU	
Ihhovisi Likaphini Lomqondisi Jikelele	
Uhlelo / Uhlelo_Phansi	Irekhodi Isihloko
<u>Uhlelo Phansi:</u> I-Biotechnology neMpilo	Amasu; izikhungo zamakhono ; imithethonqubo ;ukuxhumanisa, izinqumo nokusebenzisana nama-Agencies; umlimi kuPharma inselele enkulu; Izicelo ze-GMO (ngaphandle kolwazi oluyimfihlo).
<u>Uhlelo Phansi:</u> Indawo Yesayensi	Thuthukisa amandla kuzikhungo zesicelo sesatellite.
<u>Uhlelo Phansi:</u> Ukusungula Izinto Ezibalulekile kanye neZinsimbi	Isibonelo sezinzuzo zokukhuthaza imali nge-R & D.
<u>Uhlelo Phansi:</u> Ukuthuthukiswa Kolwazi Kuzinhlelo Zomdabu Zolwazi	ukuphathwa kolwazi; lizinhlelo zokufunda izincwadi zomdabu kanye nembiko - Bukela ku www.NIKSO.dst.gov.za ; Uhlelo lukaZwelonke Oluqoshiwe.
UHELO 3: UKUSEBENZISANA N GAMAZWE KANYE NEZINSIZA	
Ihhovisi le-DDG	
<u>Uhlelo Phansi:</u> Ukubambisana Kwamanye Amazwe Angaphandle	Izivumelwano
<u>Uhlelo Phansi:</u> Izinsiza Zomhlaba Jikelele	Izincwajana zamaphrojekthi Izixhumanisi zamawebhusayithi ephrojekthi Iqoqo lokusebenza iphrojekth kanye neseshini yolwazi

<u>Uhlelo Phansi:</u> ukubambisana kwamanye amazwe ne-Afrika	Ubuhlobo Amathuba okufunda Izincwajana Zezinhlamvu Imibiko yokubambisana
UHLELO 4: UKUTHUTHUKISWA KOCWANINGO NOKUSEKELWA	
Ihhovisi le-DDG	
<u>Uhlelo Phansi:</u> isayensi eyisisekelo kanye nengqalasizinda	Ukugqugquzela ubudlelwane obuhle kanye nezinhlelo zokuthuthukisa ingqalasizinda socwaningo olusha kanye nokufinyelela kwingqalasizinda socwaningo olusha.
<u>Uhlelo Phansi:</u> Inzuzo Yabantu & Ukukhuthazwa Kwesayensi	izikhungo zobuhle; izihlalo zocwaningo ; Imibiko yokufunda ; Ulwazi lwebhasari .
Uhlelo / Uhlelo_Phansi	Irekhodi Isihloko
<u>Uhlelo Phansi:</u> ukuthuthuka kwezinkanyezi	i-Square Kilometre Array Information; Bukela ku www.SKA.ac.za ; Inqubo yomthetho wezinkanyezi kanye nemigomo; Izimemezelo.
UHLELO 5: UKUSEBENZISANA K OMPHAKATHI NEZOMNOTHO	
Ihhovisi likaphini lomqondisi jikelele	izinselelo ezinkulu, nezinhlelo zokusebenza nemibhalo yamakhono; Uhlaka lwamasu.
<u>Uhlelo Phansi:</u> Ukutshalwa Kwezesayensi Nobuchwepheshe	Ukuhlola kanye nemibiko yezibalo; Izimpendulo zenkampani ekuhloleni.
<u>Uhlelo Phansi:</u> I-S & T Iwumthelela Kumphakathi: Ukusungula Kokuthuthukiswa Okuhlangene	Yakha ubudlelwane, ukuhlinzeka ngoxhaso lokutshala izimali, kanye nokuxhasa abashayeli bezindiza mshini.
<u>Uhlelo Phansi:</u> I-S & T iwumthelela kwezomnotho; Umkhakha Omusha Kanye Nomnotho Ohlaza	Imibiko Yokucina Yokucwaninga.
<u>Uhlelo Phansi:</u> I-S & T Iwumthelela Kwezomnotho: Ubuchwepheshe Bezindawo Bazozuza Nokukhiqizwa Okuthuthukisiwe	Amasu Impahla yobuhlakani kanye nolwazi lobunikazi; uhlelo lobuchwepheshe bendawo; inqubo yokulawula umqulu; Izinqondisi zephasele zokusiza kwezobuchwepheshe.

Isithasiselo C

iRiphabhuliki yaseNingizimu Afrika

IFOMU A**ISICELO SOKUTHOLA IREKHODI LOMZIMBA WOMPHAKATHI**

(Isigaba18 (1) Umthetho wokukhuthazwa kokufinyelela kolwazi,
2000 (Umthetho No. 2 ka-2000)
[Umthethonqubo 2]

UKUSETSHENZISWA NGUMNYANGO**Inombolo yenkomba :** _____

Isicelo esitholiwe ngu _____ (isikhundla sezwe
, igama nesibongo sesiphathimandla solwazi iphini lesikhulu sezokwazisa ngomhla (usuku)
ku _____ indawo _____)

Imali ebekiwe R_____

Imali yediphozi (uma ikhona):R_

Imali yokufinyelela (uma ikhona) R_

Isaqnesh: Isikhulu Solwazi/ iphini lesikhulu solwazi

A. Imininingwane yomzimba womphakathi

iNhlalo:

B. Imininingwane yomuntu ofuna isicelo sokurekhoda

- (a) Imininingwane yomuntu ocela ukuthola irekhodi kufanele inikezwe ngezansi .
 (b) Ikheli kanye / noma inombolo ye-fax eRiphabhuliki lapho ulwazi oluzothunyelwa khona kufanele lunikezwe.
 (c) Ubufakazi besikhundla lapho isicelo senziwe, uma kusebenza, kufanele sihambisane

Amagama aphelele nesibongo:

Inombolo yobunikazi

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Ikheli leposi:

Inombolo yocingo: (.....) Inombolo yefeksi(.....)

Ikheli le-imeyili:

Indawo lapho isicelo senziwe khona, uma senziwe egameni lomunye umuntu:

C. Imininingwane yomuntu ofuna isicelo sakhe

Lesi sigaba kumele sigcwaliswe KUPHELA uma isicelo sokwaziswa senziwa egameni lomunye umuntu.

Amagama aphelele nesibongo:

Inombolo yobunikazi

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D. Imininingwane yerekhodi

- (a) Nikeza imininingwane ephelele yerekhodi lapho kudingekile khona isicelo, kufaka phakathi inombolo yereferensi uma lokho kwaziwa kuwe, ukuvumela irekhodi ukuthi litholakale.
 (b) Uma isikhala esinikeziwe singenele , sicela uqhubeke ephepheni elihlukile bese ulinamathisela kuleli fomu . Umceli kumele asayine wonke ama-folios engeziwe.

1. Incazelo yerekhodi noma ingxenye efanele yerekhodi:

.....

.....

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.....

IFOMU A: ISICELO SOKUFINYELELA KWIREKHODI YENDIKIMBA YOMPHAKATHI

2. Inombolo yereferensi, uma ikhona:

.....

.....

.....

.....

3. Noma yimiphi imininingwane eminye yerekhodi :

.....

.....

.....

.....

E. Imali

- | | |
|-----|--|
| (a) | Isicelo sokufinyelela irekhodi, ngaphandle kwerekhodi eliqukethe ulwazi lomuntu siqu ngawe, izocutshungulwa kuphela emva kokukhokhwa kwemali yesicelo. |
| (b) | Uzokwaziswa ngemali edingekayo ukuthi ikhokhwe njengemali yesicelo. |
| (c) | Imali ekhokhwa yokufinyelela irekhodi incike efomini lapho kudingeka khona ukufinyelela kanye nesikhathi esifanele esilindele ukucinga nokulungisa irekhodi. |
| (d) | Uma ufaneleka ukuthola ukukhokhwa kwemali, sicela usho isizathu sokukhululwa. |

Isizathu sokukhululeka ekukhokheni izimali:

.....

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.....

IFOMU A: ISICELO SOKUFINYELELA KWIREKHODI YENDIKIMBA YOMPHAKATHI

F. Ifomu lokufinyelela korekhoda

Ukukhubazeka: Ifomu lapho irekhodi liyadingeka khona:

Maka ibhokisi elifanele ngo-X.

INCAZELOLWAZI:

- (a) Ukuhambisana nesicelo sakho sokufinyelela kufomu ecacisiwe kuncike efomini lapho irekhodi litholakala khona .
 (b) Ukufinyelela kufomu eceliwe kunganqatshwa ezimweni ezithile. Esimweni esinjalo uzokwaziswa uma ukufinyelela kuzonikezwa ngolunye uhlobo.
 (c) Imali ekhokhelwa ukuthola irekhodi, uma ikhona, izoqokwa ngokuyingxenye yefomu lapho kufinyelelwa khona isicelo

Uma uvinjwe ukukhubazeka um ufunda, buka noma ulalele irekhodi ngendlela yokufinyelela okuhlinzekwe ku-1 kuya ku-4 ngezansi , isho ukukhubazeka kwakho futhi ukhombise ukuthi yiliphi irekhodi elidingekayo

1. Uma irekhodi libhaliwe noma liphrintiwe:					
	ikhophi yerekhodi*		ukuhlolwa kwerekhodi		
2. Uma ir ekhodi liqukethe izithom be ezi bukwayo -(lokhu kuhlangani sa izit hombe, amaslayidi, ukurekhoda kwevidiyo, izithombe ezenziwe ngekh ompu yutha, imidwebo, njll					
.):	buka izithombe		ikhophi yezithombe *		ukubhalwa kwezithombe *
3. Uma ire khodi liqukethe amagama arekhodiwe noma ulwazi olungenz iwa ka busha ngezwi:					
	lalela umsindo wezwi (ikhasethi yomsindo)		ukubhalwa komsindo * (umbhalo obhaliwe noma ophrintiwe)		
4. Uma ire khodi ligcinwe kukhompuyutha n oma ngendlela efundekayo n gomsh ini:					
	ikhophi ephrintiwe yerekhodi *		ikhophi ephrintiwe yolwazi etholakala kwirekhodi *		ikhophi kwifomu efundeka ngekhompuyutha * (i-stiffy noma i-compac t disc)

* Uma ucele ikhophi noma ukubhalwa kwerekhodi (ngenhla), ufisa ikhophi noma YEBO CHA ukubhalwa kuthunyelwe kuwe?

Ukuthunyelwa kwezimali kuyakhokhwa.		
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G. Imininingwane yelungelo lokusetshenziswa noma elivikelwe

Uma isikhala esinikeziwe singenele, sicela uqhubeke ephepheni elihlukile bese ulinamathisela kuleli fomu. Umceli kumele asayine wonke ama-folias engeziwe.

1. Khombisa ukuthi yiliphi ilungelo okufanele lisetshenziswe noma livikelwe :

.....

.....

2. Chaza ukuthi kungani irekhodi eliceliwe liyadingeka ukuze kwenziwe umsebenzi noma ukuvikelwa kwelungelo elishiwo ngenhla:

IFOMU A: ISICELO SOKUFINYELELA KWIREKHODI YENDIKIMBA YOMPHAKATHI

.....

.....

.....

IFOMU A: ISICELO SOKUFINYELELA KWIREKHODI YENDIKIMBA YOMPHAKATHI**H. Isaziso sesinqumo mayelana nesicelo sokufinyelela**

Uzokwaziswa ngokubhala ukuthi ngabe isicelo sakho sivunyiwe / siphikiwe. Uma ufisa ukwaziswa ngenye indlela , sicela ucacise indlela futhi unikeze imininingwane edingekayo ukuvumela ukuhambisana nesicelo sakho.

Ungathanda ukwaziswa kanjani ngesinqumo esiphathelene nesicelo sakho sokufinyelela kurekhodi?

.....

Ubhalisiwe ku..... ngalolu suku lo.....nyaka

.....
ISIGNESHA OFAKE ISICELO / UMUNTU OKUCELIWE KUYE

**MOLAO WA TŠWELETŠOPELE YA PHIHLELELO YA TSHEDIMOŠO
WA 2000
MANYOALE**

KA GE O NYAKEGA GO KAROLO 14(2) YA MOLAO WA TŠWELETŠOPELE YA
PHIHLELELO YA TSHEDIMOŠO
(PAIA) (Molao 2. Wa 2000)

Poeletšo ya Bjale 2017

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1. Matseno

Manyoale wo o gatišitšwe go ya ka Karolo 14(2) ya Molao wa Tšweletšopele ya Phihlelelo ya Tshedimošo No.2 ya 2000 ("Molao"). Molao wo a fa khuetšo go ditokišetšo tša Karolo 32 ya Molaotheo, yeo e fago ditokelo tša phihlelelo ya tshedimošo yeo e swerwego ke Pušo le tshedimošo yeo e swerwego ke motho yo mongwe yeo e hlokago phihlelelo bakeng sa tiragatšo le/goba tšhireletšo ya tokelo efe goba efe.

Maikemišetšo a Molao wo ke go fihlelela boikarabelo le bopepeneneng go makala a setšhaba le poraebete go fa motho monyetla wa tokelo ya phihlelelo ya tshedimošo go mo kgontšha go diragatša le go šireletša ditokelo tša bona ka botlalo ka ge go nyakega.

Maikemišetšo a manyoale wo ke go beakanya ditshepedišo le tekanyetšo tšeo si swanetšego go latelwa ge yo mongwe ("mokgopedi") a kgopela go fihlelela direkhoto tšeo di swerwego goba di lego ka tlase ga taolo ya Kgoro ya tša Saense le Theknolotši ("DST").

2. Go šoma ga Molao wa Tšweletšopele ya Phihlelelo ya Tshedimošo (ka fa o bitšwa PAIA)

Molao wa Tšweletšopele ya Phihlelelo ya Tshedimošo (No 2 ya 2000) o a šoma go Kgoro ka ge e le lekgotla la setšhaba, kudu go direkhoto tša ka gare ga ditsela.

3. Maikemišetšo a Manyoale go ya ka PAIA

Maikemišetšo a Manyoale wo ke go šupa dibopego le mešomo tša Kgoro le go hlaloša ka botlalo ditsela tša direkhoto go nolofatša maikemišetšo a PAIA.

4. Khomišene ya Ditokelo tša Batho ya Afrika Borwa ("SAHRC") e fa tlhahlo ya molao

Karolo 10 ya Molao e nyaka gore Khomišene ya Ditokelo tša Batho ya Afrika Borwa (SAHRC) e phatlalatše tlhahlo yeo e swerego tshedimošo yeo e kgopelwago ke motho ka tlase ga mabaka a go kwagala go kgona go diragatša goba go šireletša ditokelo dife goba dife go ya ka Molao wo. Tlhahlo, yeo e gatišitšwego ka maleme ka moka a semmušo, e swere ditlabakelo tša:

- tshedimošo ka moka ya dikantoro tša mekgatlo ya setšhaba le poraebete;
- diaterese le dintlha tša boikgokaganyo tša gona; le
- mekgwa ya thušo yeo e lego gona go tšwa go dikantoro tša tshedimošo le Khomišene ya Ditokelo tša Batho ya Afrika Borwa.

4.1. Khwetšagalo le Phihlelelo ya Tlhahlo:

Tlhahlo e ya hwetšagala go ka sekasekwa go tšwa go:

- Bokgobapuku ka moka bja setšhaba; le
- Wepesaete ya Khomišene ya Ditokelo tša Batho ya Afrika Borwa- www.sahrc.org.za

Ge o ka ba le dipotšišo ka se, o kgopelwa go ikgokaganya le SAHRC ka go lebiša go:

Aterese ya Poso: Khomišene ya Ditokelo tša Batho ya Afrika Borwa

Promotion of Access to Information Act Unit

Research and Documentation Department

Private Bag 2700

Houghton, 2014

Mogala: +27 11 484-8300

Fekese: +27 11 484 0582

Wepesaete: www.sahrc.org.za

Emeile: paia@sahrc.org.za

5. Tshedimošo ya kgokaganyo ya DST

Leina la mokgatlo: Kgoro ya tša Saense le Theknolotši

Aterese ya Poso

Aterese ya Lefelo

Department of Science and Technology

Moago 53 Scientia Campus

1. DST- Manyoale wa Tšweletšopele ya Phihlelelo ya Tshedimošo

letlakala 4

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0001

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Mogala: (012) 843 6300
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Wepesaete: <http://www.dst.gov.za>

Mohlankedi wa Tshedimošo: Molaodi Kakaretšo
Mogala: (012) 843 8615
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Emeile: paia@dst.gov.za

Bakgopedi ka moka ba kgopelwa go lebiša dikgopelo tša bona go Mohlankedi wa Tshedimošo.

Motlatša Mohlankedi wa Tshedimošo: Motlatši wa Molaodi Kakaretšo
Ditirelo tša Koporasi
Mogala: (012) 843 6632
Fekese: 0865 508 775
Emeile: paia@dst.gov.za

6. Sebopego le Ditiragatšo

Tona:

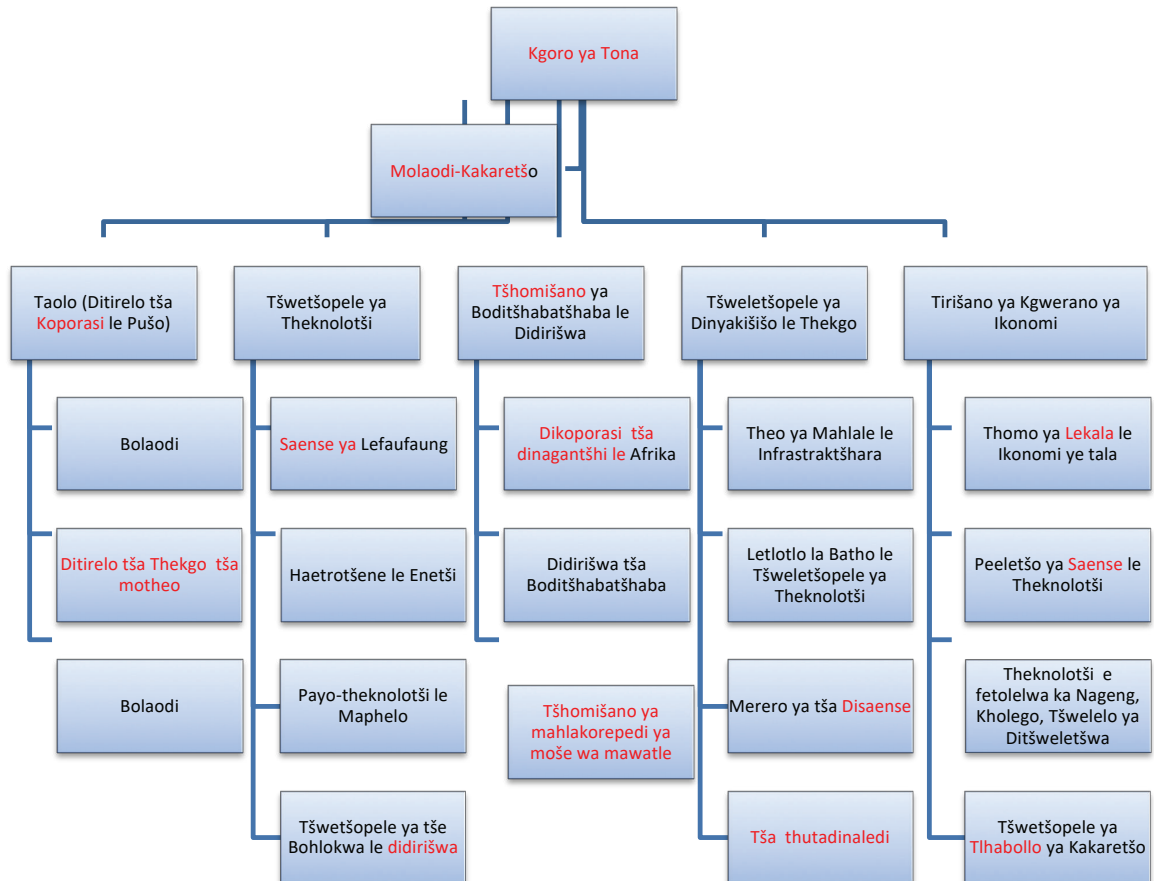
Motlatša Tona:

Molaodi Kakaretšo:

Mohlamphegi Naledi Pandor

Mohlomphegi Zanela

Ngaka Phil Mjwara



Go hwetša tlhamo ye e tseneletšego ya mokgahlo, o kgopelwa go etela le weposaete ya DST:

www.dst.gov.za

1. DST- Manyoale wa Tšweletšopele ya Phihlelelo ya Tshedimošo

letlakala 6

6.1. Mananeo

6.1.1. Lenaneo 1: Ditirelo tša Koporasi, peakanyetšo ya mokgatlo le thekgo

E na le maikarabelo a bolaodi ka kakaretšo bja Kgoro le go fa thekgo ya ditirelo yeo e lego bogareng. E netefatša gape gore mekgatlo yeo e filwego thekgo ya matlotlo e latela ditiro tša maleba tša bolaodi bja koporasi e bile e sepetšana le go tsepelela Tsela ya Dithomo ya Bosetšhaba (NSI). E lekola lego lekanyetša dikhansele tša saense.

6.1.2. Lenaneo 2: Tšwetšopele ya Theknolotši

Nepišo ya lenaneo ke go kgontšha dinyakišišo le tšweletšopele R&D ya maano le tsepelelo go mafelo ao a sa hlagago (saense ya lefaufaug, enetši, payotheknolotši, nanotheknolotši, robotihiki, fothoniki, le ditsela tša tsebo ya tša setlogo) taolo thoto ya bohloodi, phetišetšo ya theknolotši le thekišo ya theknolotši gore go kgone go hlohleletšwa temogo ya thekišo ya ditšweletšwa, tshepedišo le ditirelo go tšwa go ditšweletšo tša R&D ka tsenyotirišong ya didirišwa tša ya pholisi yeo e kgontšhago.

6.1.3. Lenaneo 3: Tšhomišano ya Boditšhabatšhaba le Didirišwa

Lenaneo le nepiša go tlihabolla ka maano, go godiša le go laola ditswalano tša boditšhabatšhaba, menyatla le ditumelelano tša S&T tseo di tiišago tsela ya dithomo ya bosetšhaba (NSI) mme le go kgontšha tša *excite*2016 tša tsebo, mothamo le didirišwa magareng ga Afrika Borwa le badirišanimmogo ba selete le Boditšhatšhaba. Lenaneo gape le thekga pholisi ya Afrika Borwa ya dinaga dišele ka tša boemedi bja saense.

6.1.4. Lenaneo 4: Tšweletšopele ya Dinyakišo le Thekgo

Lenaneo le le nepiša go fana ka tikologo yeo e kgantšhago nyakišišo le tšweletšo ya tsebo yeo e hlohleletšago tšwetšopele ya maano ya saense ya motheo le mafelo a saense a bohlokwa, ka tšweletšopele ya saense, tšwetšopele ya letlotlo la batho, tokišetšo ya lenaneokgoparara la nyakišišo le thekgo ya maleba ya nyakišišo, go latelwa phetogo ya Afrika Borwa ya ikonomi ya tsebo.

6.1.5. Lenaneo 5: Ditirišano tša Tšweletšo ya Ikonomi-Leago

Kaonafatšo ya kgodišo le tšweletšo ya tše bohlokwa go mmušo ka ditsenobogare tša dithomo tše di nepišitšwego tša saense le theknolotši le tšwetšopele ya maano a tirišano le dikgoro tše dingwe tša mmušo, indasteri, mekgatlo ya nyakišišo le setšhaba.

6.2. Mešomo ya motheo

6.2.1. Bokamorago bja Histori ya Kgoro

Kgoro ya tša Saense le Theknolotši (DST) e hwetša taelo ya yona tšwa go Latlakala le le Tšhweu la 1996 go Saense le Theknolotši. E thomile e le karolo ya Kgoro ya Bokgabo, Setšo, tša Saense le Theknolotši, yeo e hlamilwego ka 1994. E ile ya kgaogana go ba Kgoro ya Bokgabo le Setšo le Kgoro ya tša Saense le Theknolotši ka 2002. Ka 2004, Kgoro e bile Kgoro ya Tona ya boikemelo. Theo ye bohlokwa ke gore Saense, Theknolotši le Tšweletšo (STI) di kgatha tema ye bohlokwa go kgolo ya ikonomi le tšweletšopele ya ikonomileago .

6.2.2 Nepišo ya DST

DST e nyaka go bonagatša kgono ye e feleletšego ya saense le theknolotši go tša leago le tšweletšopele ya ikonomi ka tšweletšopele ya didirišwa tša batho, nyakišišo le tšweletšo.

Se se akaretša ditsenelelo tše di lebantšego, poledišano le go diragatša bjalo ka sekgontšha phetogo go ya ka makala a katlego go ikonomi ya rena, go dira gore e kgone go tšwelela go tikologo ya lefase yeo lokolotšwego, mme le malebana le tšweletšopele ye kgolo yeo e šaletšego morago magareng ga dikarolo tša bohlaki tša setšhaba sa rena. Nepo ya go bona maikemišetšo a e go maano a tšweletšo le phethagaletšo ya didirišwa bakeng sa hlamo ya tša saense , boentšenere le theknolotši ya matlotlo a batho, tokologo ya naga le setšhaba, tšwetšopele ya setšhaba sa go ba le tshedimošo le go netefatša swarelelo ya tikologo go mananeo a tšweletšopele.

6.2.3 Ditaetšo tša Leano

Go phegelela motheo wa tša saense wo o lekanego le go o fetošetša go mešomo le kgolo go boima kudu. Tatelo ya Tsela ya Tšweletšo ya Bosetšhaba (NSI) ya go lemoga tšweletšo yeo e sa bonagalego- moo tiragatšo e lego mošomo e sego fela go tšweletšo ya mokgatlo o tee, efela e lego go tswalano le poledišano magareng ga mekgatlo- e dira gore mmušo o kgathe teka ya bokgontšhi, monolofatši le mmeeletši wa maano.

6.2.4 Maikemišetšo

Maikemišetšo a mahlano a DST ke go-

- Go tšwetšapele mothamo wa Tsela ya tšweletšo ya Bosetšhaba (NSI) gona moo e kgathe tema go tšweletšopele ya ikonomi-leago;
- Go kaonafatša mothamo wa tsebo ya setšhaba sa Afrika Borwa gore go kgonwe go tšweletšwa mangwalo anyakišišo tša maemo a lefase le go fetolela dikhwetšo tše kaone go ditšweletšwa tša boithomelole tshepedišo;
- Go tšweletša matlotlo a batho (STI) a maleba go kgona go fihlelela dinyakwa tša setšhaba.
- Go aga mananeokgoparara (STI) a maemo a godimo go oketša ketopele ya tsebo, tlhahla setšhaba se se tlogo sa banyakišiši, le go kgontšha tšweletšopele ya theknolotši le phetišetšo, gape le go abelana ka tsebo; le
- Go bea Afrika Boa bjalo ka modirišani wa maano wa boditšhabatšhaba wa RDI le boyo ka phetolelano ya tsebo, mothamo le didirišwa magareng ga

Afrika Borwa le badirišane mmogo ba bangwe ba dilete le ba boditšhabatšhaba, gona moo go matlafatšwa NSI.

6.2.5 Mathatagolo

Katlego ya Leano la DST la Mengwaga ye Lesome ya Tšweletšo-2008-2018 (TYIP) le ipotile ka phihlelelo le temogo ya maikemišetšo ao a lego ka godimo. Morero ke go bea diponelopele tše bohlokwa, tšeo di ngwadilwego bjalo ka mathatagoloa Afrika Borwa go saense le theknolotši (S&T). Mathatagolo ke ao a latelago:

- **Molemi go ya go Pharma:** Mo mengwageng ye lesome yeo e latelago, Afrika Borwa e swanetše go tšweletša payo-ikonomi gore e be ketapele ya lefase ka payotheknolotši le tša khemisi, go šomišwa didirišwa tša naga tša tlhago le di tšweletšopele tše di mphsa tša ditšenomiki.
- **Lefelo la S&T:** Afrika Borwa e tla ba moabedi wa taetši le modirišani mmogo go lefelo la lefase ka bophara la S&T ka Agente ya tša ya Lefaufau ya Bosetšhaba, intasteri ya sathalaete yeo e golago le ditšweletšo tše fapafapanego go lefelo la saense, go akaretšwa le ditebelelo, dipoledišano, nabekeišene le boentšenere.
- **Tšhireletšo ya Enetši:** kabelo ya enetši ya polokego, hlweko, go rekega mme le yeo e tshephagalago e hlokega lefaseng ka bophara, mme Afrika Borwa e swanetše go fihlelela dinyakwa tša kabo ya nako ya magareng ya enetši ge e sa dira tšwetšopele ya kabo ya nako ye telele go ditheknolotši tša malahla yeo e hlwekilego, enetši ya nukleane, enetši ya mpsafatšwa le tshepišo ya ikonomi ya haetrotsene.
- **Phetolo ya Lefase ka bophara:** Afrika Borwa e swanetše go šomiša kemo ya yona ya thutafase, yeo e e kgontšhago go raloka karolo ya seemo sa pele go saense ya phetogo ya boso.
- **Batho le Dipharologano tša Leago:** Bjalo ka lentšu la boetapele go dinaga tšeo di sa tšwelelago, Afrika Borwa e swanetše go dira setseka kwešišong ye kgolo ya lefase ka bophara la go fetola dipharologano tša leago, le karalo ya saense go hlaboša kgolo le tšweletšopele

7. Makgotla a Setšhaba ao a begago go DST

- Akhatemi ya Saense ya Afrika Borwa (ASSAF)
- Khansele ya tša Dinyakišišo tšaSaense le Intasteri (CSIR)
- Khansele ya Nyakišišo ya Saense ya Batho (HSRC)

- Motheo wa Dinyakišišo wa Bosetšhaba (NRF)
- Agentei ya Tšweletšo ya Theknolotši (TIA)
- Agentei ya Afrika Borwa ya Lefaufaung ya Bosetšhaba
- Agentei ya Tšwelopele ya Saense le Theknolotši
- Bolaodi bja Taolo bja Thutadinaledi
- Khansele ya Bosetšhaba ya Tšwetšopele
- Kantoro ya Bosetšhaba ya Bolaodi bja Thoto ya Bohlodi

8. Melao yeo e sepetšwago ke DST

- *Academy of Science of South Africa Act 67 of 2001*
- *Africa Institute of South Africa Act*
- *Astronomy Geographic Advantage Act 21 of 2007*
- *Human Sciences Research Act 23 of 1968*
- *Intellectual Property Rights for Public Financed Research and Development Act 51 of 2008*
- *National Advisory Council on Innovation Act 55 of 1997*
- *National Research Foundation Act 23 of 1998*
- *National Scientific Act 106 of 2003*
- *Natural Scientific Professions Act 27 of 2003*
- *Science Technology Law Amendment Act 2011*
- *Scientific Research Council Act 46 of 1988*
- *South African Space Agency Act 36 of 2008*
- *Technology Innovation Agency Act 26 of 2008*
- *The Promotion of Access to Information Manual*

9. Tshepedišo ya Phihlelelo

9.1. Ka moo o ka dirago Kgopelo

Tlatša foromo ya kgopelo yeo e filwego go tšwa go DST. Go kgopela foromo, romela emeile go paia@dst.gov.za. Foromo e hwetšagala ka maleme ao a latelago:

- English

- IsiZulu
- Sesotho sa Leboa

Dipotšišo ka moka dika romelwa go Mohlankedi wa Tshedimošo:

Mohlankedi wa Tshedimošo:

Molaodi-Kakaretšo

Mogala: (012) 843 6815

Fakese: 0866 810 006

Emeile: paia@dst.gov.za

9.2. Tabataba le Magoro a Direkhoto tšeo di Swerwego ke Kgoro ya tša Saense le Theknolotši

9.2.1. Tšweletšo ya ntle le go dira kgopelo:

Lenaneo la magoro a direkhoto tšeo di hwetšegago go batho ntle le kgopelo ya tumelelo go ya ka Molao wa Tšweletšopele ya Phihlelelo ya Tshedimošo le kgomagantšwe go Selomaganyo A. direkhoto di hwetšagala go weposaete ya DST.

9.2.2. Direkhoto tšeo di hwetšagalago ka kgopelo:

Lenaneo la magoro a direkhoto, tšeo di swerwego ke Kgoro di ka kgopelwa go ya ka Molao wa Tšweletšopele ya Phihlelelo ya Tshedimošo e kgomagantšwe go Selomaganyo B. Phihlelelo ya direkhoto le swanetše go kgopelwa go Mohlankedi wa Tshedimošo go ya ka tshepedišo yeo e lego ka fase.

9.3. Tefelo ya ditefo tšeo di filwego:

Bjale ka ge Molawana o laetše, tšhelete ya go lekana R35.00 e swanetše e sepedišane le kgopelo ya tshedimošo. Se seka lefelwa ka tšheke, kheše (ge e tlišitšwe ka seatla)

goba dipositi go akhaonte ya pankha (bohlatse bja dipositi bo swanetše bo sepele le foromo ya kgopelo).

Leina la Akhaonto: Kgoro ya tša Saense le Theknolotši
Panka: Panka ya ABSA
Nomoro ya Akhaonto: 4056183523
Nomoro ya Lekala: 323645
Mohuta wa Akhaonto: Akhaonto ya Dipositi

9.4. Kgonthiśišo le tumelelo ya kgopelo

Mohlankedi wa Tshedimošo o amogela le go kgonthiśiša kgopelo go bona ge e ba tshedimošo yeo e kgopelwago e a hwetšagala go DST. Gomme kgopelo e ya amogelwa, ganetšwa goba e fetišetšwa go baswari ba maleba ba tshedimošo yeo e kgopelwago. Taetšo ya e tla fitišetšwa go mokgopedi go kgonthiśiša moemo a kgopelo.

9.5. Tshepediśo ya Tshedimošo

Ge kgopelo e amogetšwe, DST e tla kgoboketša le go lokiša tshedimošo le go baladitshenyagalelo tše malebana. Tshenyagalelo yeo e kopanywa go lebeletšwe ditefo tšeo di filwego bjale ka ge di filwe ka botlalo go Lenaneo¹: Ditefo go lebeletšwe Mekgatlo ya Bosetšhaba.

9.6. Tsebiśo ya mafelelo

Mokgopedi o tla tsebiśwa ka phetagatšo ya kgopelo ga mmogo le ditefelo tšeo dišaletšego tša go lefelwa go DST.

9.7. Ditefelo le phihlišo

Ge tefelo e hweditšwe bjalo ka ge go boletšwe ka godimo, tshedimošo e tla lokollwa go ya go mokgopedi.

Foromo yeo e filwego e swanetše go tlatšwa ka botlalo gore e kgontšhe Mohlankedi wa Tshedimošo go šupa:

- Rekhoto goba direkoto tšeo di kgopetšwego.

- Boitsebišo bja mokgopedi.
- Gore go nyakega foromo efe ya phihlelelo, ge eba kgopelo e a fiwa.
- Aterese ya poso goba aterese ya emele goba nomoro ya fekese ya mokgopedi.

Mokgopedi o swanetše go bega gore o nyaka tshedimošo gore a kgone go phethagatša goba go šireletša tokelo, le go bega gabotse gore ke tokelo ya mohuta mang yeo e nyakago go phethagatšwa goba go šireletšwa. Ka tlaleletšo, mokgopedi o swanetše go bega gabotse ka tebanyo gore ke ka lebaka la eng rekhoto e nyakega gore e phethagatšwe goba go šireletšwe tokelo yeo.

Kgoro e tla dira tshepedišo ya kgopelo matšatšing a 30 a go šoma, ntle le ge mokgopedi a begile mabaka a a kgethegilego, ao a ka kgotsofatšago Mohlankedi wa Tshedimošo gore seemo se dumelela gore nako yeo e beilwego ka godimo e se latelwe. Nako ya matšatši a 30 e ka oketšwa go ya go matšatši a mangwe a 30 ge eba kgopelo ele ya tshedimošo ye ntši, goba kgopelo e hloka nyako ya tshedimošo yeo e lego go kantoro ye nngwe ya mokgatlo ebile tshedimošo e sa hwetšagale ka gare ga matšatši a 30 a mathomo. DST e tla ngwalela mokgopedi go motsebiša ge eba go nyakega koketšo.

Ge eba kgopelo e dirwa legatong la motho yo mongwe, gona mokgopedi o tswanetše go fihliša bohlatse bja go bontša mabaka ao mokgopedi a dirago kgopelo ka wona, ao a swanetšego go kwagala le go kgotsofatša Mohlankedi wa Tshedimošo.

Ge mokgopedi a palelwa ke go tlatša foromo yeo e filwego ka lebaka la go se go se rutege goba bogole, motho yoo a ka dira kgopelo ka molomo. Mokgopedi o swanetše gore a lefele tefo yeo e beilwego pele go ka tšwelwa pele ka tsepedišo.

9.8. Tefo

Molao o fa mehuta ya mebedi ya tefo:

- Tefo ya kgopelo, yeo e tla bago tefo ye e beilwego, le tefo ya phihlelelo, yeo e kopanywago go lebeletšwe ditefelo tša tšweletšo, nyako le nako ya tokišo le ditshenyagalelo, gape le ditshenyagalelo tša go posa.
- Ge kgopelo e hweditšwe ke Mohlankedi wa Tshedimošo, mohlankedi yoo o tla nyaka ka temošo gore mokgopedi, ntle le mokgopedi ka boyena, go lefela tefo yeo e beilwego (ge e le gona), pele go ka tšwelwa pele ka tsepedišo ya kgopelo.

- Ge eba kgopelo ya rekhoto e dirilwe le tokišo ya rekhoto go pego ka botlalo, (go akaretša le peakanyo ya gore e hwetšwe ka gare ga foromo ya kgopelo, e hloka diiri tša go feta tšeo di beilwego melawaneng bakeng sa mohola wo, mohlankedi wa tshedimošo o tla tsebiša mokgopedi go lefela bjalo ka dipositi seripa sa tefo yeo e filwego ya phihlelelo, yeo e ka lefelwago ge kgopelo e filwe.
- Mohlankedi wa Tshedimošo o tla swara rekhoto go fihlela mokgopedi a lefela tefo kage go laeditšwe ka godimo.
- Mokgopedi yoo kgopelo ya gagwe ya phihlelelo e filwego o swanetše go lefela tefo ya tšweletšo le nyako le peakanyetšo, le bakeng sa nako ye nngwe le ye nngwe ya go kwagala yeo e hlokegago ya go feta diiri tšeo di beilwego go nyaka le go beakanyetša rekhoto go phatlalatšwa, go balwa le dipeakanyo tša go dira gore e hwetšagale ka gare ga foromo ya kgopelo.
- Ge dipositi e lefetšwe go ya ka kgopelo ya phihlelelo, yeo e ganwego, gona mohlankedi woo wa tshedimošo o tla bušetša dipositi go mokgopedi.

Lenaneo 1: Ditefo tša Mekgatlo ya Bosetšhaba

Ditefo tšeo di latelago di a lefišwa:

TLHATHOLLO	SEROTO (R)
Tefo ya kgopelo yeo e lefsago ke mokgopedi yo mongwe le yo mongwe	35.00
Khophi ya manyoale ka ge e ngwadilwe go molao 5(c) (go fothokhopi ye nngwe le ye nngwe ya letlakala la A4 goba karolo ya lona)	0.60
Ditefo tša tšweletšo go lebeletšwe go molawana 7(1) di ka tsela ye:	
1) Go khophi ye nngwe le ye nngwe ya letlakala la A4 goba karolo ya lona	0.60
2) Go khophi ye nngwe le ye nngwe yeo e gatišwago ya letlakala la A4 leo le swerwego go khomphuthara goba ka elektroniki goba motšhene	5.00
3) Go khophi yeo e balebago ka khomphuthara go: a) diski ye stifi b) diski ya khomphekte (mokgwa wo o balebago)	5.00 40.00
4) Go phethišetšo ya dinepe tša pono: a) go letlakala la A4 goba karalo ya lona b) go khophi ya dinepe tša pono	22.00 60.00
5) Go phethišetšo ya rekhoto ya go theeletšwa: a) go letlakala la A4 goba karalo ya lona	12.00

b) go khophi ya rekhoto ya go theeletšwa	17.00
Ditefelo tša phihlelelo tšeo di lefelwago ke mokgopedi di ka tsela ye:	
1) Go fothokhophi ye nngwe le ye nngwe ya letakala la A4 goba karolo ya lona	0.60
2) Go khophi ye nngwe le ye nngwe yeo e gatišitšwego ya letlakala la A4 goba karolo ya lona go khomphuthara goba elektroniki goba motšhene wa go kgona go balwa	0.40
3) Go khophi ya khomphuthara yeo e kgonago go balwa: a) diski ya stifi b) diski ya khomphekte	5.00 40.00
4) Go phitišetšo ya dinepe tša pono, go letlakala la A4 goba karolo ya lona	22.00
5) Khophi ya dinepe tša pono	60.00
6) Go phetišetšo ya rekhoto ya go theeletšwa, a) go letlakala la A4 goba karolo ya lona b) go khophi ya direkhoto tša go theeletšwa	12.00 17.00
Go nyaka lego beakanya rekhoto go tšweletšo, R15.00 bakeng sa iriye nngwe le ye nngwe goba karolo ya iri, go sa balwe iri ya mathomo, ka mabaka a go kwagala yeo e nyakegago go nyako yeo le peakanyo	
Poso e lefelwa ge khophi ya rekhoto e swanetše go posetšwa go mokgopedi. Tshenyagalelo ya diposo e ya ka tharifi ya maleba go ya ka lefelo leo le posetšwago	

9.9. Kganetšo ya kgopelo le aphili

- Mokgopedi o swanetše go ela hloko karolo 7(1) ya PAIA yeo a begago tše di latelago:
“Molawana wo gao akaretše rekhoto ya mokgatlo wa bosetšhaba goba wa poraebete ge eba-
(a) rekhoto yeo e kgopelwa ka maikemišetšo a ditshepedišo tša bosenyi goba segae;
(b) di kgopelwa ka morago ga go thoma ga ditshepedišo tša bosenyi goba tša segae, go ya ka seemo; le
(c) ka tšweletšo ya goba phihlelelo ya rekhoto yeo ka maikemišetšo ao go bolelwago ka wona go tema (a), e abelwe molao wo mongwe le o mongwe.
(d) dikgopelo tša tshedimošo tšeo go ya ka DST di lego dikgopelo tša mabaka a go kwagala, ke tšeo di bonagalago di sa kwagalegoba tša tshenyo ya nako goba tšeo di akaretšago phapošo yeo e sa kwagalego ya didirišwa”.

Ge karolo 7(1) e ya amega, ga o dumelelwe go tliša kgopelo go ya ka PAIA

- Mabaka a kganetšo ao a bontšhitšwego go Seripa 2 sa Kgaolo 4 le Seripa 3 sa Kgaolo 4 sa PAIA aswanetšwe go lebelelwa ge go dirwa kgopelo.
- Mokgopedi a ka dira aphili ya ka gare kgahlanong le sepheto sa mohlankedi wa tshedimošo wa DST sa go gana kgopelo ya phihlelelo malebana le kgopelo yeo le bolaodi ba maleba.
- Motho yo mongwe a ka tsentšha aphili ya ka gare kgahlanong le sepheto sa mohlankedi wa tshedimošo wa DST gore a fe kgopelo ya phihlelelo.

9.10. Mokgwa wa aphili le tefo ya aphili

Aphili e swanetše go tsenywa ka foromo yeo e filwego

- Momatšatšing a 60 a mošomo;
- Ge tsebišo go motho wa bobedi e nyakega, mo matšatšing a 30 a mošomo morago ga ge tsebišo e filwe go motho wa go dira aphili ya sepheto, goba
- Ge tsebišo ya motho wa go dira aphili e sa nyakege, morago ga sepheto e swanetše go romelwa goba go tlišwa go mohlankedi wa tshedimošo wa DST;
- E swanetše e bontšhe tabataba ya aphili le go bega mabaka a aphili, gape e ka akaretša tshedimošo ya maleba yeo e tsebjago ke motho wa go dira aphili,
- Ge, ka tlaleletšo ya phetholo ya go ngwalwa, motho yo a dirago aphili a nyaka go tsebišwa ka sepheto sa aphili ya ka gare ka tsela ye nngwe, o swanetše go bega tsela yeo le go fa ditlabakelo tša maleba tša go tsebišwa,
- Ge go kgonagala, e swanetše go sepela le tefo yeo e beilwego, gape e swanetše go bega aterese ya poso goba nomoro ya fekese; mme
- Ge aphili e ka tsenywa morago ga nako yeo e beilwego, bolaodi bja maleba bo swanetše, ge go bontšhitšwe gabotse, go dumelela aphili ya go fihla marago ga nako.

Ge molaodi yoo wa maleba a sa dumelele phihlišo yeo ya morago ga nako, o swanetše go fa tsebišo ya sepheto seo go motho yo a tsentsego aphili. Mokgopedi yoo a tsenygo aphili yeo e gannwego o swanetše go lefela tefo yeo e filwego (ge e le gona). Ge eba tefo ya aphili e filwe go lebanya le aphili, sepheto sa aphili se swanetše go tshwarwa go fihlela tefo yeo e filwego e lefiwa. Ka bonako bjo bo kgonagalagoo, efala momatšatšing a lesome morago ga khwetšo ya aphili, mohlankedi wa tshedimošo wa DST o swanetše go e fihliša go molaodi wa maleba:

- Aphili ga mmogo le mabaka a gagwe a go tšea sepheto seo, le

- Ge aphili ele kgahlanong le kganetšo goba go fa ga tumelelo ya phihlelelo, leina, aterese ya poso, aterese ya emeili, nomoro ya mogala le fekese, yeo e lego gona, tša motho yo mongweyoo a swanetšego go tsebišwa ka kgopelo.

9.11. Go fa tumelelo ya direkthotho

Tabataba ya diprofešene tša PAIA, tumelelo ya kgopelo ya direkthotho go tšwa go DST di tla fiwa ge-

- Ge ditshepedišo ka moka tšeo di beilwego ke PAIA go tswalana le kgopelo di fihleletšwe, le
- Tumelelo ya direkthotho tšeo di kgopelwago e sa ganetšwe go ya ka mabaka a kganetšo ao a beilwego go PAIA.
- Mabaka a kganetšo a ngwadilwe go Seripa 2 sa Kgaolo 4 le go Seripa 3 sa Kgaolo 4, gape se akaretša tebelelo ya mandeite wa-
 - (a) Tshedimošo ya papatšo ya motho wo mongwe;
 - (b) Tshedimošo yeo e lego ya sephiri;
 - (c) Tšhireletšo ya batho, le tšhireletšo ya thoto;
 - (d) Direkthotho tšeo di hweditšwego go tšweletšo ya ditshepedišo tša molao
 - (e) Tšeo di loketšego ikonomi le tšhireletšo ya matlotlo a Rephabliki le papatšo ya mahlahla a makgotla a bosetšhaba; goba
 - (f) Tshedimošo ye itšego go lebeletšwe tsepedišo ya mekgatlo ya bosetšhaba.
 - (g) Tshedimošo ye itšego mabapi le ditshepedišo tša mekgatlo ya setšhaba.

10. Selomaganyo A: Tshedimošo yeo ka kakaretšo e hwetšwago ka weposaete ya DST

- **Tshedimošo ya kakaretšo ya DST**
 - Okanogramo
 - Pono, Morero le Mehola
 - Kgoro ya Tona
 - Mmepe wa tsela ya goya go dikantoro tša DST
 - Dipotšišo tšeo di botšišwago gantši
 - Lenaneo la kgokagano
- **Mafelo a tsepelelo a DST**
 - Nyakišišo
 - Badirisane mmogo ba nyakišišo
 - Tshedimošo ya sekhwama sa nyakišišo
 - Tšwetšopele
 - Dintlha tša kgokagano ya sekhwama
 - Baswa
 - Mafelo a boithabišo ao a ka etelwago
 - Diteko

- Dinnete
- Tswalanyo ya tša Saensele mafelo a Theknolotši
- o Mešomo
 - Thušo ya Matlotlo
 - Mešomo go feta 2000
 - Mešomo ya tša Payo
- **Menyetla ya mešomo ya tša mahlale le theknolotši**
- **Lenaneo la R&D la Diinsenthifi tša Motšhelo**
 - o Diforomo, dibrotšha le ditlhahlo
 - o Melawana le ditokomane tša maleba tša R&D tša moputso wa motšhelo
- **Phaphoši ya ditaba**
 - o Ditaba tša go latela
 - o Dipolelo
 - o Ntšho ya ditaba/ Dikpoledišano
 - o Kalo ya ditaba
 - Dikakanyo tša Afrika go Baswa ka STI
 - Kakanyo ya Naga ya datha ya go tsebiša go ya ka pholisi
 - Karalo ya datha go latela tshwarelelo ya tšweletšopele ya diphihlelelo, le go tšweletšapele bohlatse go lebeletšwe pholisi ya Afrika
 - Karolo ya ekhonomikse go fihleleleng dipono tša tšweletšopele yeo e swarelelago le ponego ya datha
 - Go amantša datha le tšweletšopele yeo e swarelelago ya dipono
 - Kalo ya ditaba ya Pego ya Ngwaga ya DST 2006/7 go Palamente
 - Kalo ya ditaba go S&T Pholisi Foramo. Japan, June 2005
 - Kalo ya ditaba yeo e fihlišitšego ke Moh Anita Canca
 - Tšweletšopele ya Nyakišišo ya Enetši ka SA
 - Mahlale, Theknolotši le Tšweletšo
 - Go thoma ga GEOSS
 - Tekano ya Lebakanyana ya thulano ya Leano la Bosetšhaba la R&D
 - Saense, Theknolotši le Tšweletšo: Thuto ya Pholisi ya Tikologo ya SA
 - Mehola ya Papetšo le Lenaneokgoparara la Nyakišišo ya Lefase ya Tšhomišano
 - Tsela ya SA ya Saense le Theknolotši
 - Kalo ya taba go Mokgatlo wa Bosetšhaba ya SA ya Barulaganyi (SANEF); 22 Nofemere 2003
 - Lenaneo la Tšhišinyo ya Lekala le le bulegilego la Mahlale le Theknolotši
 - Kalo ya taba yeo e dirilwego ka 15 Julae 2004, Brussels.
 - Kalo ya taba Kopanongya Lefase ya Basadi ba Magaeng ya Bone.
 - Tshekatsheko ya OECD ya Tšweletšo ya Tsela ya Bosetšhabaya SA
 - Leano la Khophoreite 2008
 - Molaokakanywa wa Agente ya tša Lefaufaung ya Bosetšhaba PPT
 - India-Brazil-Afrika Borwa (IBSA)

- Semina ya Lefelo la Saense le Thutadinaledi
 - o Temogo ya Seyalemoya ya Mahlale le Theknolotši
 - o Tšhupamabaka ya Meletlo
 - o Sengwalwa sa Ditaba ya DST
 - o Ditaba tša Kgwedi ka kgwedi tša SKAO
 - o Setatements sa KhabineteDingwalwa tša Megopolo

- **Senthara ya Didirišwa**

- o Diwego Diwego tša ngwaga
- o Melao
- o Maano le Diwego
- o Maano a DST a Koporasi 2010-13
- o Diwego tša Lefelong
- o Diwego tša R&D
- o Diwego tša Protšeke
- o Dipampiri tša ditaba
- o Tshekatsheko ya Diwego tša Kgoro ya Tona
- o Tšweletšo ya Tshedimošo
- o Lenaneokgoparara la Nyakišišo
- o Lenaneokgoparara la Saeba
- o Dipuku tša Tafole ya Kofi

- **Semina ka Saense ya Lefaufaung le Thutadinaledi**

- **Ditirelo**

- Senthara ya Ekselentse
 - o Senthara ya Bo botse ka go fetiša go Nyakišišo ya Bayomekhale TB
 - o Senthara ya Bo botse ka go fetiša go Tlhaselo ya Bayolotši
 - o Senthara ya Bo botse ka go fetiša go Ditlabakelo tša go Tia
 - o Senthara ya Bo botse ka go fetiša go Dinonyane bjalo ka Motheo go Dipoledišano tša Bayodaebesithi go Institute ya Percy Fitzpatrick
 - o Senthara ya Bo botse ka go fetiša go Phetošo
 - o Senthara ya Bo botse ka go fetiša go Bayotheknotši ya Maphelo a Mohlare gola FABI
 - o Senthara ya Bo botse ka go fetiša go tša Mehlala le Tshekatsheko ya tša Bontšhi bja malwetši

- **Lenaneo la Diinsenthifi tša Motšhelo la R & D**

- **Lantskeipe ya S&T**

- **Sengwalwa sa ditaba tša Lenaneo la tša Lefaufaung *SumbandilasafTemošo* ya Seyalemoya ya Saense le Theknolotši (STAR)**

- Poledišano ya June 2010
 - Poledišano ya Mei 2010- Maropeng
 - Poledišano ya Aporele ya 2010- Square Kilometre Array (SKA)
 - Poledišano ya Matšhe 2010
 - Poledišano ya Janaware 2010
 - Poledišano ya Desemere 2009
 - Poledišano ya Oktobere 2009
 - Poledišano ya Setemere 2009
 - Poledišano ya Agostose 2009
- Dithentara
 - Pholisi ya Mothalotlhahlo ya Khwetšo
 - Dithentara tša Bjale
- NSW10 proposal template FINAL.doc
- Mešomo
 - Ditlhahlo tša go ngwadiša go tša mešomo ya DST
 - Menyetla ya Bjale ya Mešomo
 - Lomaanyo go foromo ya Z83
 - Kholego ya go šomela DST
 - Dathabeise ya go ngwadiša ka inthanete
- Senthara ya Didirišwa tša Tshedimošo
- Dilomaganyo
 - COFISA
 - Kalo ya taba
 - Ditokomane
- Arei ya Skwere Khilomithara (SKA)
- Ngwaga wa Disaense wa Geremane Afrika Borwa 2012/13
- Lekala la thekgo ya tekanyetšo
- SAFIPA Kopano ya phetogo ya Lefase ka bophara
- PRIAP
- Thekgo ya Sekhwama ya Kakanyetšo
- Tsela ya Taolo ya Tshedimišo ya Tiragatšo (PIMS)
- Senthara ya Phetogo ya Leratadima ya Theknolotši le Neteweke
- Dihlongwa
 - Agente ya Tšweletšo ya Theknolotši
 - Khantsele ya Nyakišišo ya Saense ya Batho
 - Lefelo la Thuto ya Saense la Afrika Borwa
 - Khansele ya Nyakišišo ya Saenthifiki le Nyankišišo ya Intaneti
 - Agente ya Kgodišo ya Saense le Theknolotši
 - Kantoro ya Bolaodi bja Thoto ya Bohlale ya Bosetšhaba
 - Molao
 - Ka ga NIPMO
 - Okanokramo

- Ditiragalo tša NIPMO
- Ditirelo
- o Motheo wa Nyakišišo wa Bosetšhaba
- o Bolaodi bja Taolo ya Thutadinaledi
- o Dintlha tša Kgokagano

11. SelomaganyoB: Tabataba le magoro a direkhoto tše di swerwego ke Kgoro ya tša Saense le Theknolotši

Lenaneo/ lenaneotlaleletšo	Maina a Direkhoto
LENANEO 1: DITIRELO TŠA KOPORASI, THEKGO YA MOKGATLO LE PEAKANYETŠO	
Lenaneo 1A. Ditirelo tša Koporasi	
lenaneotlaleletšo : Mohlankedimogolo wa Matlotlo (CFO)	
Bolaodi bja Ditšhelete (Bolaodi bja tšhupaletlotlo)	Ditekanyetšo tša tshenyagelo ya Bosetšhaba (ENE) Mothalotlhahlo wa tshenyagelo ya Lereo la Magareng (MTEF), Ditekanyetšo tše di Beakantšwego go Tshenyagelo ya Bosetšhaba (AENE) Dipego tša temošo ya bonako, pego ya tshekatsheko ya tshenyagelo, pego ya kelo ya tšhelete

Lenaneo/ lenaneotlaleletšo	Maina a Direkhoto
Ditšhelete tša Tšhupaletlotlo	Ditatemente tša ditšhelete, Dithoto le Dikoloto. Diwego tša Molao ka Letseno tša Setšhaba, Setifikeite sa Kobamelo go ya ka dinyakwa tša tšhupaletlotlo tša ditšhelete go Mmušo wa Bosetšhaba, Ditatemente tša Nakwana le tša Ditshelete tša Ngwaga le Ngwaga le direkhoto tša ditlošo tšeo di lego malebana le Letseno, Tshenyegelo, Dithoto le Dikoloto.
Bolaodi bja Tatellano ya Kabo	Dipholisi tša Bolaodi bja Tatellano ya Kabo le Ditshepedišo; Dathabeisi ya Baabi , Ditšhišinyo gotšwa go baabi ba ditirelo; ditokomane tša Peeletšo, go akaretšwa le ditekolo tša Dipeeletšo; Diphilhišo mabapi le Dipeeletšo; Ditaetšo tša Setšweletšwa le Ditaetšo tša Tirelo; Metsotso ya dikopano le le baabi ba tirelo; Diswayaswayo mabapi le tshepetšo ya dithoto; ngwadišo ya Dithoto; Metsotso ya dikopano tša komiti ya go tloša ditho; bolaodi bja sehlopa sa dinamelwa; maano a bolaodi bja dithoto le sekgonagatši; Ditokomane tša Thentara, go balwa le dithentara tšeo difilwego .
Lenaneotlaleletšo: Mohlankedimogo wa Tshedimošo	
Ditsela tša Tshedimošo	Leano la Tokišo morago ga Kotsi, Dipholisi tša IT, dimanyoale tša maemo le tshepedišo, Leano la wo Mogolo wa Ditirelo, Leano la IT.
Tshedimošo ya Tsebo le Bolaodi bja Direkhoto	Leano la Bolaodi bja Direkhoto le Pholisi, Leano la Bolaodi bja Tshedimošo, Manyoale wa PAIA.
<u>Lenaneotlaleletšo</u> : Ditirelo tša Thušo	Dipholisi tša Tšhireletšo le Tshepedišo, Diwego tša Phetošo ya Tšhireletšo, Go dira dikagare tša Bidio.
<u>Lenaneotlaleletšo</u> : Ditirelo tša Semolao	Melao le melawana ya DST, Ditumelelano, megopolo ya Semolao le dathabeise ya magato go kgorotsheko, dipholisi tša molao, manyoale wa kobamelo.
<u>Lenaneotlaleletšo</u> : Mothamo wa Batho	
Mananeo ao a Kgethegilego	Maano a HR, Merero le Ditshepedišo, Maano a go dira hlogo ya Merero ya Bong le Bogole; Mananeo a Thušo ya Bašomi; Diwego tša Thušo ya Bašomi; Dikokwana <i>Batho Pele</i> , Ditshepedišo tša Dingongorego le Kgalemo, Ngwadišo ya Dimpho.

Lenaneo/ lenaneotlaleletšo	Maina a Direkhoto
Bolaodi bja Talente le Tšweletšopele ya Sehlongwa	Maano a HR, Dipholisi, Ditshepedišo le Maano, Tshekatsheko ya Mošomo le Diwego tša Thuta- Mošomo.
Lenaneo 1B. Mohlankedimogolo wa Tshepedišo	
Kantoro ya Molaodi Kakaretšo	Kgoro ya Tona leDiphihlišo tša DG goBolaodi bja Kotsi
<u>Lenaneotlaleletšo:</u> Pholisi Peakanyetšo, Tekolo ya Pušo le Tshekatsheko (PPGM&E)	Diwego tša Ngwaga tša DST, Maano a Kgwebo, Diwego tša bolaodi bja tshedimošo ya Tiragatšo; Ditshekatsheko tša sehlongwa le tsela leditokomane tša go thekga, Metsotso tša dikopano, Poledišano le mekgatlo ya DST (metsotso ya kopano ya foramo- Badulasetulo, CEO le CFO); diwego tša tšwelopele lephetleko; Methalotlahlale tihako; Diwego tše di netefaditšwego.
<u>Lenaneotlaleletšo:</u> Phetleko ya ka gare	Metsotso ya Dikopano ya Komiti ya Phetleko; Diwego tša Diphetleko tša ka gare, Diwego tša Komiti ya Phetleko, Ditšhatara; Dimemorantamo tša Dikwano.
<u>Lenaneotlaleletšo:</u> Poledišano ya Saense	Dipolelo; phatlalatšo tša koporasi; Setsopolwa go tšwa go diwego tša nyakišišo; Diswantšho.
Tshepetšo ya go kgetha ya HR le Hlokomelo ya HR	Maano a HR, Dipholisi, Ditshepedišo le Maano, Difaele tša Bašomi, Retšistara ya Matšatši a boikhutšo.
<u>Lenaneotlaleletšo:</u> Khantsele ya tša Keletšo go Thomo ya Bosetšhaba (NACI)	Dithwalo, Dikamogelo le Dikganetšo tša Maloko a Khansele, Dikomiti le Dikomiti tšaleletšo; Bolaodi bja go lthuta.
LENANEO 2: TŠWETŠOPELE YA THEKNOLOTŠI	
Kantoro ya Motlatša Molaodi Kakaretšo	
<u>Lenaneotlaleletšo:</u> Payotheknotlōši le Maphelo	Maano; Disenthara tša Bokgoni; melawana; go sepelelana, diphetho le kgokagano le Diagente; Mathatagolo a Molemi go ya go Pharma; dikgopelo tša GMO (ntle le tshedimošo ya sephiri).

Lenaneo/ lenaneotlaleletšo	Maina a Direkhoto
<u>Lenaneotlaleletšo</u> : Saense ya Lefaufaung	Kaonafatša Bokgoni bja Disenthara tša Aplikeišene ya Sathalaete.
<u>Lenaneotlaleletšo</u> : Ditšwetšopele tše Bohlokwa le Didirišwa	Mokgwa wa dithušo tšaMatlotlo wa R&D.
<u>Lenaneotlaleletšo</u> : Tlhabollo ya Botsebi go Ditselatša Botsebi bja Setlogo	Bolaodi bja Tsebo; Ditokomane tša Tsela ya Tsebo ya Setlogo le dipego - lebelela www.NIKSO.dst.gov.za ; Tsela ya Bosetšhaba yeo e Ngwalegago
LENANEO 3: TŠHOMIŠANO YA BODITŠHABATŠHABA LE DIDIRIŠWA	
Kantoro ya DDG	
<u>Lenaneotlaleletšo</u> : Tšhomišano ya moša mawatlle ya Mahlakorepedi	Dikwano
<u>Lenaneotlaleletšo</u> : Didirišwa tša boditšhabatšhaba	Dingwalwa tša Protšeke Dilomaganyo tša di weposaete tša protšeke Letšema la Protšeke le dikopano tša tshedimošo
<u>Lenaneotlaleletšo</u> : Tšhomišano ya Mahlakorepedi le Afrika	Bogwera Menyetla ya go lthuta Dingwalwa tša yuniti Dipego tša mohlakanelwa
LENANEO 4: TŠWELETŠOPELE YA NYAKIŠIŠO LE THEKGO	
Kantoro ya DDG	
<u>Lenaneotlaleletšo</u> : Disaense tša Motheo le Mananeokgoparara	Nolofatša maano a ditirišano le mananeo a go tšweletša mananeokgoparara a nyakišišo le phihlelelo ya mananeokgoparara a masfa a nyakišišo
<u>Lenaneotlaleletšo</u> : Matlotlo a Batho le tšweletšopele ya Saense	Disenthara tša Bokgoni; Badulasetulo ba Nyakišišo; dipego tša Thuto; Tshedimošo ya Pasari.
<u>Lenaneotlaleletšo</u> : Tšwelopele ya Thutadinaledi	Tshedimošo ya Arei ya Skwere Khilomitara; lebelela www.SKA.ac.za ; tshepedišo ya molao ya Thutadinaledi le melawana; Dipego.
LENANEO 5: DITIRIŠANO TŠA LEAGO-IKONOMI	

Lenaneo/ lenaneotlaleletšo	Maina a Direkhoto
Kantoro ya Motlatša Molaodi Kakaretšo	Mathatagolo, ka maano a tsenyotirišong leditokomane tša kakanyo; ditlhako tša Maano.
<u>Lenaneotlaleletšo</u> : Peeletšo ya Saense le Theknolotši	Ditekolo le dipegotša dipalopalo; dikarabo tša Khamphani go ditekolo.
<u>Lenaneotlaleletšo</u> : S&T go Setseka go tša Leago: Tšwetšopeleya Tlhabollo ya Kakaretšo le Ikonomi ye tala	Go Aga Tirišano, go nea thekgo ya peeletšo, le go lefelela tša ditekolo
<u>Lenaneotlaleletšo</u> : S&T go Thulano ya Ikhonomiki : Tšwetšopele ya Sektha le Ikonomi ye Botse	Dipego tša Nyakišišo tša mafelelo
<u>Lenaneotlaleletšo</u> : S&T go Setseka go tša Ikhonomi: Go beakanyetša Theknolotši go tša Selegae Kholego le Tšweletšo Ya Maemo a Godimo	Maano Thoto ya Bohodi le tshedimošo e phathente; Maano a go beakanyetša Theknolotši go tša Selegae; Manyoale wa go Laola Tshepedišo; Diphuthelwana tša Mothalotlhahli wa Thušo ya Theknolotši

Selomaganyo C**REPHABLIKI YA AFRICA BORWA****FOROMO A****KGOPELO YA PHIHLELELO YA DIREKHOTO TŠA MOKGATLO WA SETŠHABA**

(Karolo 18 (1) ya Molao wa Tšweletšopele ya Phihlelelo ya Tshedimošo wa 2000

(Molao 2 wa 2000)

[Molawana 2]**GO TŠHOMIŠO YA KGORO****Nomoro ya Tšhupetšo:** _____

Kgopelo e amogetšwe ke _____

(maemo a mmušo, leina le sefane sa mohlankedi wa tshedimošo/ motlatša mohlankedi wa tshedimo ka (letšatšikgwedi) _____ go la _____ (lefelo)

Tefo ya kgopelo R _____

Tefo ya dipositi (ge e le gona): R _____

Tefo ya phihlelelo (ge e le gona) R _____

Mosaeno: Mohlankedi wa Tshedimošo /Motlatša Mohlankedi wa Tshedimošo

A. Ditlabakelo tša mokgatlo wa setšhaba

Hlogo:

B. Ditlabakelo tša motho yo a kgopelago phihlelelo ya rekhoto

- (a) Ditlabakelo tša motho yo a kgopelago phihlelelo ya rekhoto di swanetše go fiwa ka fase.
 (b) Aterese le/goba nomoro ya fekese go Rephabliki moo tshedimošo e romelwago e swanetše go fiwa
 (c) Bohlatse bja mabaka ao kgopelo e dirwago, ge go kgonagala, bo swanetše go kgomaretšwa.

Maina ka botlalo le Sefane...

Nomoro ya boitsebišo:

--	--	--	--	--	--	--	--	--	--	--	--	--	--

Aterese ya poso.....

Nomoro ya mogala: (.....)Nomoro ya fekese: (.....)

Aterese ya emeile.....

Mabaka a go dira kgopelo, ge kgopelo e dirwa legatong la motho yo mongwe:

C. Ditlabakelo tša motho yoo kgopelo e dirwago legatong la gagwe

Karolo ye e swanetše go tlatšwa FELA ge kgopelo ya phihlelelo ya tshedimošo e dirwa legatong la motho yo mongwe.

Maina ka botlalo le sefane:.....

Nomoro ya boitsebišo

--	--	--	--	--	--	--	--	--	--	--	--	--	--

D. Ditlabakelo tša rekhoto

- (a) Efa ditlabakelo ka botlalo tša rekhoto yeo phihlelelo e kgopelwago, go akaretšwa le nomoro ya tšhupetšo ge o e tseba, go kgontša gore rekhoto e hwetšwe.
 (b) Ge sekgoba seo se filwego se le se se nnyenyane, o kgopelwa go tšwelapele letlakaleng le lengwe gomme o le kgorametše go foromo. Mokgopedi o swanetše go saena matlakala ao a okeditšwego.

1. Tlhalošo ya rekhoto goba seripa sa rekhoto:

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2. Nomoro ya Tšhupetšo, ge e le gona:

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3. Ditlabakelo tše dingwe tša rekhoto:

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E. Tefo

- (a) Mokgopedi wa phihlelelo ya rekhoto, ntle le rekhoto yeo e nago le tshedimošo ya gago ka ga wena, e tla sepedišwa fela ka morago ga ge tefo e lefetšwe
- (b) O tla tsebišwa ka seroto seo se swanetšego go lefelwa bjalo ka tefo ya kgopelo.
- (c) Tefo yeo e lefelwago go phihlelelo ya rekhoto e tla ya ka tsela yeo phihlelelo ye nyakegago ka gona le nako ya go kwagala yeo e hlokegqago go nyaka le go beakanyetša rekhoto.
- (d) Ge o swanetše ke go se lefele tefo, o kgopelwa go bega mabaka a kgethollo.

Lebaka la go se lefele tefo:

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FOROMO A: KGOPELONYA PHIHLELELO YA DIREKHOTO TSA MOKGATLO WA SETSHABA

Bogole: Swaya lepokisi la maleba ka X. DINTLHA: (a) Tatelo ya kgopelo ya gago ya phihlelelo ka mokgwa wo o itšego e ka laolwa ke mokgwa woo rekhoto e hwetšagalago. (b) Phihlelelo ka mokgwa wo o kgopetšwego e ka ganetšwa ka fase ga mabaka a itšego. Ge go le bjalo, o tla tsebišwa ge phihlelelo e tla fiwa ka mokgwa wo mongwe. (c) Tefo yeo e lefelwago go phihlelelo ya rekhoto, ge e le gona, e tla laolwa, ka seripana, ke mokgwa woo phihlelelo e kgopetšwego.	Mokgwa woo rekhoto e nyakegago:
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F. Foromo ya phihlelelo ya rekhoto

Ge o paledišwa ke bogole go bala, go lebelela goba go kwarekhoto ka mokgwa wa phihlelelo yeo e filwego go 1 go ya go 4 ka fase, bega bogole bja gago le go bontšha gore rekhoto e nyakega ka mokgwa ofe.

1. Ge rekhoto ele ka mokgwa wa go ngwalwa goba kgatišo:					
	Khopi ya rekhoto*		Tshekatsheko ya rekhoto		
2. Ge rekhoto e na le senepe - (se se akaretša dinepe, dipego, dividio, dinepe tšeo di tšwago go khomphuthara, disketše, etc.):					
	Lebelela dinepe		Khopi ya dinepe*		Ngwalollo ya dinepe*
3. Ge eba rekhoto ena le mantšu ao a ngwadilwego goba tshedimošo yeo e ka tšweletšwago gape ka modumo:					
	Theeletša modumo (khasete ya modumo)		Phetošetšo ya modumo go tokomane* (tokomane yeo e ngwadilwego goba e gatišitšwego)		
4. Ge aba rekhoto e le ka gare ga khomphuthara goba elektroniki goba motšhene moo e ka balegago:					

FOROMO A: KGOPELONYA PHIHLELELO YA DIREKHOTO TSA MOKGATLO WA SETSHABA

	Khophi yeo e gatišitšwego ya rekhoto*		Khophi ya tshedimošo, yeo e gatišitwego go tšwa go rekhoto*		Dira khophi go khomphuthara ka mokgwa wa go balega* (diski ya stifi goba khomphekte)	
*Ge eba o kgopetše khophi goba rekhoto yeo e fetošeditšwego go tokomane (ka godimo), o ratage khophi goba phetošetšo e ka posetšwa go wena? Poso e a lefelwa.					EE	AOWA

G. Ditlabakelo tša tokelo yeo e dirišitšwego goba e šireletšwego

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Ge eba sekgoba seo se filwego e le se se nnyenyane, o kgopelwe go tšwelapele letlakaleng le lengwe gomme o e kgomaretše go foromo ye.

Mokgopedi o swanetšego saena matlakala ka moka ao a tlaleleditšwego.

1. Leatšha tokelo yeo e dirišitšwego goba e šireletšwego:

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2. Hlaloša lebaka leo rekhoto yeo e kgopelwago e nyakega bakeng sa tiragatšo goba tšhireletšo ya tokelo yeo e boletšwego ka godimo:

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FOROMO A: KGOPELONYA PHIHLELELO YA DIREKHOTO TSA MOKGATLO WA SETSHABA**H. Tsebitšo ya sepheto malebana le kgopelelo ya phihlelelo**

O tla tsebišwa ka legwalo ge eba kgopelo ya gago e filwe / ganeditšwe. Ge o nyaka go tsebišwa ka tsela ye nngwe, o kgopelwa go bega tsela yeo o be o fe ditlabakelo tša maleba go kgontšha tatelo ya kgopelo ya gago.

Nna o ka rata go tsebišwa bjang ka sepheto sa kgopelo ya gago ya phihlelelo ya tshedimošo?

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E saennwe go Ka letšatšikgwedi le..... langwaga
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MOSAENO WA MOKGOPEDI/