

SOUTHERN AFRICAN DEVELOPMENT COMMUNITY TOWARDS A COMMON FUTURE



SADC MED DATABASE (SMD) APPLICATION LAUNCH

The official launch of the SADC Med Database (SMD) Application is a groundbreaking initiative aimed at revolutionizing pharmaceutical procurement and accessibility within the Southern African Development Community (SADC) region.

Background

Increased transparency and regional market integration require harmonisation of medicines regulation, control, and procurement collaboration across countries. Evidence from many regional initiatives, suggests that there are substantial gains to be made through regional co-operation on these important issues. Many member states remain as epicentres for the lack of essential medicines, devices and treatment, as was demonstrated during the COVID-19 pandemic. Although there have been significant interventions, technical support and guidance to strengthen the status quo, sustainable health outcomes are challenging, and disparities in transparency, pricing and regulated guality remains.

Rationale and Feasibility of Procurement Cooperation Models

Market intelligence is critical for informed decision making, increased efficiency, good governance and transparency,, all of which ultimately facilitate equitable access to affordable, safe and effective essential medicines. In such a context the rationale for the procurement cooperation of essential medicines and health commodities is there. This can be implemented in a phased approach, Four Models of Procurement Cooperation (adapted from MSH) with information and work sharing, and progressively moving towards group contracting, as pharmaceutical procurement and supply management systems (PSM) across Member States reach the required minimum standards of good practice and where applicable, legislative guidance.

Understandings and models of procurement cooperation

Procurement cooperation is the overarching term used where part or all the procurement processes depends on technical capacity, financial resources, good information systems, efficient management and availability of suppliers. Effective policies, legislation, regulations and guidelines underpin the processes. Strong political will and economic commitment are needed to support procurement cooperation.



Four Models of Procurement Cooperation (adapted from MSH)



SOUTHERN AFRICAN **DEVELOPMENT COMMUNITY**



The recommended option for procurement cooperation of essential medicines is the group-contracting model, delivered incrementally through a staged approach that starts with coordinated information exchange and work sharing. This strategy allows for all Member States to reach minimum standards of acceptable PSM systems, while allowing those Member States that have attained higher PSM standards to move towards more rapidly adopting group contracting. The staged approach in accordance with the principles is deemed feasible, and moving in a rational steady approach, without skipping

important steps to realise the ultimate procurement cooperation and collaboration benefits.

Strategy for **Pooled Medicines and Health** SADC Pharmaceutical Commodities **Business Plan**

 Strategic Priority 4: Strengthening supply chain management systems in the region SADC Pooled Procurement Services (SPPS) Operationalisation:

 Models of Pooled Procurement

Procurement of Essential SADC Med Database

About the SADC Med Database (SMD) Application:

SADC recognizes that there are opportunities to increase market efficiencies through regional pooled procurement of medical products. In this regard, SADC has prioritized pooled procurement as highlighted in Article 29 of the 1999 SADC Protocol on Health (SADC, 1999) and the associated Implementation Plan for the Protocol, and the SADC Pharmaceutical Business Plan :2015-2019 SADC, 2015). Consequently, the SADC Health Ministers approved the 'SADC Strategy for Pooled Procurement of Essential Medicines and Health Commodities (2013 – 2017)' in November 2011. Through the strategy, SADC aimed to fulfil one of its primary objectives - to improve sustainable availability and access to affordable, quality, safe, efficacious essential medical products. The strategy provided a mechanism that allow regional cooperation as a means to level out differences in procurement practices and supply chain management amongst member states. Concurrently, capabilities and capacities will be harnessed, resulting in best practices. pooled resources, and information sharing; the goal being prudent utilisation of resources and national budget savings. Furthermore, a synergy between pooled procurement and the promotion of local and regional manufacturing can be realised.

The SADC Med Database (SMD) Application represents a significant milestone in our collective efforts towards regional integration and development, in line with the SADC Industrialisation Strategy and Roadmap (SISR) 2015-63. The SADC medicines database application is an important component in the operationalisation of the SADC Pooled Procurement Services (SPPS). The SMD is truly aligned to the SADC commitment to attain regional integration and development, encapsulated in the SISR and the related Action Plan which has included pharmaceuticals as one of the value chains for fast tracking policy implementation. The SADC Secretariat's Support to Industrialisation and the Productive Sectors (SIPS) Programme has facilitated the development and deployment of SADC Med Database (SMD) Application which is now 'live' and ready to be officially launched. The SPPS is a model example of an enabling environment with coherent policies between health-trade-industry-finance-agriculture, which supports a shift in industrial structure, manufacturing, production and exports of the pharmaceutical manufacturing industry. The rationale for pooled procurement cooperation is to have guality essential pharmaceutical products available in the market at lower costs. With pooled procurement, considerable savings can be expected at the stage of information and work sharing by procurement departments/ agencies in Member States.

Purpose

To increase equitable access to essential quality medicines and health commodities by sharing information of pharmaceutical procurement data in participating countries.

Origin of Pooled Procurement Strategy and the SADC Med Database







Value:

The SMD Application boasts a comprehensive array of features designed to empower member states and stakeholders with actionable insights and real-time data, including:

• A searchable database of verified supply information to support procurement processes.

• Data-driven insights on medicines, technologies, and supply chains to facilitate strategic decision-making.

• Identification of manufacturer net selling prices to drive cost-effectiveness.

• Enhanced efficiency in forecasting and price negotiation processes.

• Provision of price analysis and insights to optimize resource allocation.

SMD Specifications Highlights

Supports manual & bulk data import

Multiple international benchmark prices can be added for comparison

Interactive dashboard for extracting data

Link to products regulatory status

Link to products patent expiry date

Added forecasted procurement option

Supports devices and medicines



Specifications

The database is securely hosted within the SADC ICT infrastructure, and all collected data would fall under the ambit of the host, to maintain confidentiality.

IT System Architecture: 1) System Requirements:

Minimum server system requirements:

Linux OS (e.g., Ubuntu 18.04)

4 vCPUs, 4GB RAM, 128GB NVMe storage

2) Server Access:

SSH access to the server on port 22 for deployment and maintenance.

Necessary SADC ICT firewall rules allow incoming connections on required ports.

3) API Access:

The server allows secure access to the necessary APIs, defined API endpoints, methods, and any authentication mechanisms, and firewall rules to allow incoming connections on required ports. 4) Domain URL Configuration:

Preferred URL used: http://sadcmd.sadc.int/

Configured DNS settings for the domain to point to the server's IP address.

Appropriate ports for the frontend and backend URLs (e.g., 80 for HTTP, 443 for HTTPS). 5) UX Interface

- , High res SADC logo, and any other logo required
- Preferred colour scheme for application

SWOT Analysis

Weaknesses

- Varying quality and infrastructure of existing national procurement data systems needs analysis and support
- Continuous improvement will require maintenance and support after this project implementation

Strengths

- Realtime, verified & relevant data on an interactive platform
- · Secure and controlled access
- Cost saving potential
- Supply chain transparency for informed decision making
- · Product and supplier quality ratings
- Singular portal for ease of use
- Open for automatic integration to multiple data sources
- Data driven insights



- Data growth and value is dependant on voluntary participation of member states
- The development roadmap should be inclusive of other existing data-sets, to avoid duplication and overlap

Opportunities

- Move away from static, multiple sources of data (often outdated, not maintained)
- Centralised sharing of procurement data provides transparency across the supply chain
- Close the gaps in realising the impact, benefit and transaction cost of procurement cooperation on drug prices, including mechanisms at international, regional and national levels, particularly in developing countries
- Public-Private-Partnership model will enhance supply-demand efficiencies & cooperation
- Subscription-based model could be used for ongoing sustainability



Data field	Description	Comments	existing data-sets, to avoid duplication and overlap
Procurement country Generic name & strength	Name country that provided the data List as per WHO standards		
Dosage form	List as per WHO standards		
Product name	Manufacturer brand name or generic name – name manufacturer where applicable.	In cases where there is no specific name the generic na is used followed by –name manufacturer. The brand nan or generic name – name manufacturer ties the produc to a specific manufacturer	
Procurement period	Time frame indicated by month-year for which the procurement is valid with a minimum default period of 12 months 2020 or specified with starting and ending date (month-year), e.g. June 2021 –May 2022.	Information about actual number of months	Definition of Terms
Terms	The international trade term applicable to the contracted price.	Prelisted: CFR, CIF, CIP, CPT, DAF, DAP, DAT, DDP, DDU, DE DES, EXW, FAS, FCA, FOB	
FOB/EXW Price per pack size (USD)	The price used for comparisons; this either provided as such or has been calculated by subtracting a certain percentage from the price with Incoterms that include transport and/or insurance and/or other costs	FOB or EXW	
Procurement quantity	The number of packs contracted at the specified unit price.		

٠

/	
Group contracting	A type of procurement whereby Member States jointly conduct and negotiati tender processes. They establish specifications, quantification, sourcing of suppliers, competitive bidding, technical and financial evaluations and adjudication, and contract awards. Member States agree to purchase from t selected suppliers, but they place purchase orders separately (in other word the commitment is between the individual Member State and supplier).
Harmonisation	The name given to the efforts of Member States to replace the variety of nation pharmaceutical policies, practices and standards currently adopted in favou uniform regional policies, "good practices" and standards, which are at an internationally acceptable level.
Information sharing	Member States share information about products and suppliers (such as pri- quality, source and suppliers' performances).
Coordinated informed buying	A type of procurement where Member States undertake joint market researc share suppliers' performance information and monitor prices. Member State conduct procurement separately.
Good practices	The agreed description of the pharmaceutical organisation, procedures and standards that enable the required quality of service to be delivered, includin criteria for organisational structures, personnel, facilities, equipment, mater all kinds of operations, and quality control.
Pooled procurement/ Procurement Cooperation	Pooled procurement (also known as joint procurement or procurement cooperation) is the overarching term for procurement where part or all of the procurement processes of different procurement entities (agencies or departments of bigger entities) are jointly executed by either one of those procurement entities or by a third-party procurement entity.
Prequalification	An initial evaluation of the capabilities of suppliers (technical and financial) \cdot of the quality of their products to allow them to participate in the procureme process.
Public	Free-on-Board (FOB) prices contracted by National Medicines.
procurement prices	Procurement Agencies in Member States. It is recommended that the public procurement agency knows the FOB prices of the products that are being procured. Only FOB prices allow for analysis of logistics costs (freight, insure the state of the state o

clearing, etc.), as well as for international benchmarking and comparison wi the region. Actual supply contracts may still specify any other INCOTERM the includes freight and other costs, as long as FOB prices are also documented

Procurement transaction information