

SESSION 3 – TECHNICAL FRAMEWORK – INFRASTRUCTURE

Day 1, 14:15–16:00 | Round Table – Participatory

Technical – Operators table

Focal point: Roubée Gadevadoo

Joined in this session by: —

Objective

To discuss and agree on the most suitable technical set-up and database model for Mauritius.

Clauses of the Draft Call for Application for your table

Clause	Text
4 (i)	(i) setup a Mobile Number Portability system, including MNP centralized Clearing House (MCH), Number Portability Database (NPDB), and any other databases, as may be applicable;
7.1 (iii)	(iii) A detailed description of functions and features of main network elements, including their various available interfaces e.g. for synchronisation, query, updates, etc.
5 (iv)	(iv) Open Standards Interface: The system shall support open standardised interfaces for seamless and multi-operator interoperability.
7.1 (vi)	(vi) Technical provision or upgrade required from relevant operators in order to interoperate with the MNP system, including estimated costs for such provision/upgrade.

Keywords for your discussion

Centralised NPDB only v/s local NPDB copies at each mobile, fixed and ILD operator; synchronisation (real-time push / incremental / batch); query interface from MSC/STP/IN/SMSC; open standard protocols; core-network upgrades and their cost

For each clause, assess

Clarity	Relevance	Adequacy	Recommendation
Is the clause clear and unambiguous?	Is it relevant and appropriate for MNP in Mauritius?	Is it complete? Is anything missing?	Retain, amend (propose wording) or delete?

Report-back: your focal point presents the table's agreed positions in plenary at the end of the session.

SESSION 4 – DIGITAL FINANCIAL SERVICES

Day 2, 09:00–10:30 | Round Table – Participatory

Technical – Operators table

Focal point: Roubée Gadevadoo

Joined in this session by: Financial

Objective

To discuss and agree on how porting can take place without disrupting mobile banking, payment services and OTPs.

Clauses of the Draft Call for Application for your table

Clause	Text
5 (x)	(x) Digital Financial Services (DFS) Compatibility: The MNP system shall not cause disruption or degradation to DFS related applications including delivery of OTPs.
7.1 (ix)	(ix) Description of call routing based on All Call Query mechanism for different call scenarios including on-net calls, off-net calls, termination of international calls to mobile numbers, international roaming. Description of routing mechanism with respect to P2P and A2P messages, including USSD, SMS etc. The applicant shall demonstrate how the MNP system will ensure the reliable, secure and efficient delivery of messages especially in the context of DFS related applications such as OTP and financial transaction notifications, as well as for OTTs.
4 (v)	(v) make available updated porting information to all relevant operators (e.g. PLMN, PSTN, ILN) to enable efficient routing of calls to recipient networks;

Keywords for your discussion

A2P SMS and OTP routing via operators and aggregators; USSD sessions; delivery to recipient network immediately after port; SMSC/STP query; delivery reports

For each clause, assess

Clarity	Relevance	Adequacy	Recommendation
Is the clause clear and unambiguous?	Is it relevant and appropriate for MNP in Mauritius?	Is it complete? Is anything missing?	Retain, amend (propose wording) or delete?

Report-back: your focal point presents the table's agreed positions in plenary at the end of the session.

SESSION 5 – TECHNICAL FRAMEWORK – CALL FLOWS

Day 2, 10:45–13:00 | Round Table – Participatory

Technical – Operators table

Focal point: Roubée Gadevadoo

Joined in this session by: —

Objective

To discuss and agree on how calls and messages will reliably reach ported numbers.

Clauses of the Draft Call for Application for your table

Clause	Text
1.2	1.2 The successful applicant shall be responsible for the establishment, administration, operation and maintenance of a Mobile Number Portability system, based on the All Call Query method, for the provision of Mobile Number Portability services in the Republic of Mauritius.
4 (v)	(v) make available updated porting information to all relevant operators (e.g. PLMN, PSTN, ILD) to enable efficient routing of calls to recipient networks;
7.1 (ix)	(ix) Description of call routing based on All Call Query mechanism for different call scenarios including on-net calls, off-net calls, termination of international calls to mobile numbers, international roaming. Description of routing mechanism with respect to P2P and A2P messages, including USSD, SMS etc. The applicant shall demonstrate how the MNP system will ensure the reliable, secure and efficient delivery of messages especially in the context of DFS related applications such as OTP and financial transaction notifications, as well as for OTTs.
7.1 (iv)	(iv) Flow or logic diagrams to illustrate how each functional component communicates with each other either internally or externally.
5 (viii)	(viii) Query Performance: The MNP system shall support simultaneous call queries and shall cause minimal delay to call set up time.

Keywords for your discussion

ACQ v/s onward routing / query-on-release; routing number (RN) prefix; on-net, off-net, fixed-to-mobile, incoming ILD, transit and roaming (MSRN/HLR) flows; SMS, USSD and A2P routing; query latency

For each clause, assess

Clarity	Relevance	Adequacy	Recommendation
Is the clause clear and unambiguous?	Is it relevant and appropriate for MNP in Mauritius?	Is it complete? Is anything missing?	Retain, amend (propose wording) or delete?

Report-back: your focal point presents the table's agreed positions in plenary at the end of the session.

SESSION 6 – CHARGING AND COST RECOVERY MODEL

Day 2, 14:15–16:00 | Round Table – Participatory

Technical – Operators table

Focal point: Roubée Gadevadoo

Joined in this session by: Technical – Service Provider + DFS, Security

Objective

To discuss and agree on the principles of the charging model and how the costs of the MNP system will be recovered.

Clauses of the Draft Call for Application for your table

Clause	Text
5 (ii)	(ii) Cost-effectiveness: The MNP system shall be designed to minimise implementation and operation costs for relevant operators in terms of upgrade and inter-operability with the MNP system.
7.1 (vi)	(vi) Technical provision or upgrade required from relevant operators in order to interoperate with the MNP system, including estimated costs for such provision/upgrade.
7 (ii)	ii) A business plan, incorporating a financial plan demonstrating the financial viability and sustainability, both in terms of profitability and cashflow, of the MNP service over at least a 10 year period. The financial plan shall provide details about its committed and budgeted investment, financing, anticipated revenues, in relation to the scale being deployed, while also indicating when the applicant expects to move into profit. The proposed charging model including porting fees and all other relevant fees/charges should be included.

Keywords for your discussion

Measurable charging units (ports, queries, sync volume); cost of operator upgrades; local v/s central database cost impact; billing records from the MNP system

For each clause, assess

Clarity	Relevance	Adequacy	Recommendation
Is the clause clear and unambiguous?	Is it relevant and appropriate for MNP in Mauritius?	Is it complete? Is anything missing?	Retain, amend (propose wording) or delete?

Report-back: your focal point presents the table's agreed positions in plenary at the end of the session.

SESSION 7 – ADMINISTRATIVE FRAMEWORK

Day 3, 09:00–10:30 | Round Table – Participatory

Technical – Operators group

In this session your group joins **Table 2 – Technical – Service Provider + DFS**

Host focal point: Prakash Nahullah

Your group has no clauses of its own in this session. Move to the host table at the start of the session and take part in its discussion, using the host table's card.

Objective

To discuss and agree on how a porting request will be handled, from the customer's request to activation.

Point your group should raise at the host table

Number provisioning, database update, routing reconfiguration and SIM activation steps (7.1 vii, 5 vi, 5 vii).

Clauses being assessed at Table 2

Clause	Text
7.1 (vii)	(vii) Detailed porting process (administrative and provisioning procedures) for any potential porting request, including: validation, database update and routing reconfiguration, SIM activation, etc.
5 (vi)	(vi) Porting Efficiency: The MNP system shall support automated and efficient provisioning of porting requests, with real-time or near real-time validation.
5 (vii)	(vii) Bulk Porting: The MNP system shall support bulk or batch porting of mobile numbers, especially for enterprises.

Report-back: the Table 2 focal point presents the agreed positions, including your group's views.

SESSION 8 – TECHNICAL PERFORMANCE AND SERVICE LEVEL

Day 3, 10:45–13:00 | Round Table – Participatory

Technical – Operators table

Focal point: Roubée Gadevadoo

Joined in this session by: —

Objective

To discuss and agree on the performance levels that the MNP system and the porting process must meet.

Clauses of the Draft Call for Application for your table

Clause	Text
7.1 (x)	(x) Query Performance indicators including number of queries that can be handled simultaneously; number of queries that can be handled within 24 hours, delay to call set-up time.
7.1 (viii)	(viii) Porting related performance including: time taken between valid porting request received by MNP system to successful forwarding of request to Donor operator for validation; Time between receipt of Donor acceptance by MNP system to successful update of central number portability database; Time between receipt of donor acceptance by MNP system to availability of updated porting information to telecoms operators (where telecoms operators maintain their own local database).
5 (viii)	(viii) Query Performance: The MNP system shall support simultaneous call queries and shall cause minimal delay to call set up time.
7.1 (xi)	(xi) Reliability indicators including availability of MNP system, Failure rate, Mean-Time-To-Repair.
4 (viii)	(viii) make available a support service in order to attend to any query or problem/fault notification, on a 24/7 basis.

Keywords for your discussion

Query response time (ms); queries per second / per 24h; synchronisation delay to operator databases; availability (%); MTTR; 24/7 support

For each clause, assess

Clarity	Relevance	Adequacy	Recommendation
Is the clause clear and unambiguous?	Is it relevant and appropriate for MNP in Mauritius?	Is it complete? Is anything missing?	Retain, amend (propose wording) or delete?

Report-back: your focal point presents the table's agreed positions in plenary at the end of the session.

SESSION 9 – FINALISING CALL FOR APPLICATION AND WAY FORWARD

Day 3, 14:15–16:00 | Round Table – Participatory

Technical – Operators table

Focal point: Roubée Gadevadoo

Joined in this session by: Technical – Service Provider + DFS

Objective

To address any remaining matters and present the finalised Call for Application.

Clauses of the Draft Call for Application for your table

Clause	Text
3.1 (v)	v) The licensee shall make the MNP services available within 9 months of the award of the licence.
7 (iv)	iv) A work plan identifying all tasks, subtasks, with realistic phases and milestones, interdependencies, critical path and resources involved for implementation of the MNP system. The work plan should further include details of the project team members including their corresponding profile and work experience as well as task assigned to/responsibility of each member.
8 (iv)	(iv) The implementation plan, including readiness, timelines, migration strategy and risk management measures;
6 (iii)	(iii) Have proven experience in the deployment, operation and management of number portability systems. The applicant must have successfully set up and been operating MNP solutions for a continuous period of at least five years in one or more countries.

Keywords for your discussion

9-month go-live realistic?; implementation roadmap; inter-operator testing and acceptance; operator readiness; migration

For each clause, assess

Clarity	Relevance	Adequacy	Recommendation
Is the clause clear and unambiguous?	Is it relevant and appropriate for MNP in Mauritius?	Is it complete? Is anything missing?	Retain, amend (propose wording) or delete?

Report-back: your focal point presents the table's agreed positions in plenary at the end of the session.