NUMBERINGPLAN WORKSHOP REPORT

Questions

1. How carriers manage updates and discrepancies in dial codes.
2. What are the primary sources of Numberingplan info
3. How frequently are Numberingplan updated
4. What criteria are used to select/decide one supplier's definition over another
5. What tools or external services for reference and who provide them.

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1. HOW CARRIERS MANAGE UPDATES AND DISCREPANCIES IN DIAL CODES

- **Team 1**: Rate sheet checks, global Numberingplan checks, contract supplier, technical checks.

- **Team 2**: Strict internal control on what is open. Match pricelist of vendor versus internal system. Alerts if discrepancies and investigated.

- **Team 3**: Dedicated team to handle, monitor different ranges and open destinations breakouts based on specific needs.

- **Team 4**: Automated update management, including blocking rerouting, range update, destination breakouts with manual upload and intervention if required.

2. PRIMARY SOURCES OF NUMBERINGPLAN INFORMATION

- **Team 1**: Rate sheets supplier, local regulator, your Numberingplan, IR21, Numberingplan database provider.

- **Team 2**: IR21, local regulator, supplier rate sheet, paid suppliers like TMT and X connect.

- **Team 3**: Compare with providers for the local market, ITU for info/roaming IR21 and local regulatory.

- **Team 4**: Suppliers ratesheet, IR21, and local regulators.

3. FREQUENCY OF NUMBERINGPLAN UPDATES

- **Team 1**: On demand, weekly checks for hubbing voice.

- **Team 2**: Monthly as needed, have to define A and B numbers in Numberingplan.

- **Team 3**: Monthly for sell destinations, more frequently for routing destinations based on modifications from suppliers.

- **Team 4**: Monthly bulk upload, every second day depending on company policy and scope of the change.

4. CRITERIA USED TO SELECT/DECIDE ONE SUPPLIER'S DEFINITION OVER ANOTHER

- **Team 1:** Traffic volumes for buying and volume commitments, own traffic volume for selling, risk analysis.

- **Team 2:** Incumbent or largest volume carrier, IR21 over supplier view.

- **Team 3:** Price approach – deals, swaps, quality of service.

- **Team 4:** Origin country, price agreements, trust, relationship with supplier and local regulators.

5. TOOLS OR EXTERNAL SERVICES FOR REFERENCE AND WHO PROVIDE THEM

- **Team 1:** Provider with most complete information, GSMA, Numberingplan vendors, local regulators.

- **Team 2:** TMT – Global numbering plan database and Xconnect for min/max length and number portability.

- **Team 3:** IR21 A2P – directly from supplier voice

- **Team 4:** Number database.

ALTERNATIVE APPROACHES TO IDENTIFY THE CORRECT PHONE NUMBERING PLAN

Global Numbering Plan Databases:

International Telecommunication Union (ITU)

Automated Validation Tools

Local Regulatory Guidelines

Cross-Referencing Multiple Sources

Regular Audits and Updates

METHODS TO IDENTIFY UNALLOCATED NUMBERS AND RANGES

Third-Party Intelligence Databases:

Telecommunication Fraud Management Systems

National Regulatory Guidelines

Automated Intercept Messages

Regular Audits and Updates:

Blocking Invalid CLIs:

THANK YOU