Activating Geographic & Urban Facilities Names In Geospatial Services to sustainable Development.
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Cities are places to live - in which people spend their daily experience. If there is someone among us who is fortunate, he will live a life that enables him to perform a facilitated life experience in cities that are livable, full of life, and with clear Geographic & Urban Facilities Names that contribute to access and inference within the developmental expansion.

**Joyfulness City**

**Quality of Livable City**

**Geographic & Urban Names:** for the quality of lively cities

Activating Geographic and Urban Facilities Names in Spatial Services to Support Sustainable Development.
Geographic & Urban Facilities Names and the geospatial arrangement of resources and activities are central in planning sustainable cities.
The International Organizations have emphasized the importance of Geographic & Urban Facilities Names within addresses for their direct or indirect uses.
The Impact of Geographic & Urban Facilities Names for direct or indirect uses

- Urban Planning & Development
- City Management
- Environment Sustainability
- Emergency & crisis management
- E-Commerce
- Security
- Economic, Commerce & Investment.
- Digital Transformation
Regulations and Legislation of Urban Facilities Names in the Kingdom of Saudi Arabia

**Saudi Roads And Building Regulations (1941)**

**Article. 25**

The municipality is required to naming and label all main and sub-streets. In doing so, historical occasions and events must be taken into consideration. It is illegal for any individual to damage, remove, or deface the street names, with a fine of 0.25 USD or one day imprisonment being imposed on any offender who commits such an act.

**Article. 26**

The municipality is responsible for assigning a unique number to every house or shop located in a street or alley in an organized manner. This number will be written on a standardized metal plate and placed in a prominent location on the building. The cost of the plate will be collected from the property owner during the fee collection period and refusal to pay is not permitted. It is also illegal to damage, remove, or deface the metal plate, and any offender will be fined 0.20 USD. Failure to pay the initial fee will result in a warning, followed by an increased fee for non-compliance.
The Amanat, and municipalities, undertake the task of naming the main and secondary streets and squares, and numbering real estate properties in all cities and villages of the Kingdom in accordance with the provisions of these rules.

**Article. 2**
By decisions of the Minister of Municipal and Rural Affairs - and in coordination with the concerned emirates - committees of historians, writers and experts are formed to propose names for streets and squares. These designations are approved by a decision of the Minister of Municipal and Rural Affairs.

**Article. 3**
In choosing the names of streets and squares, historical events, names of Al Sahaba, Al tabeen, scholars, leaders, names of Arab cities, and the like are taken into account.

**Article. 4**
In naming streets and squares and numbering real estate, the following rules are observed: A - The city or village is divided into regions in order to prepare drawings for the naming and numbering process. B - The road network is classified into the following categories: 1- Roads 2- Streets 3- Corridors, each of which is named. C - The city or village is divided into four squares by drawing two base lines that are almost perpendicular, taking into account their conformity with the two most important roads in the city or village.

**Article. 5**
The numbering started from the closest point to the intersection of the two main axes, and continued in ascending order to the outskirts of the city or village. The continuous numbering stopped at the place where the street name changed to start the numbering again.

**Article. 6**
The numbering of all properties shall be according to a unit of measurement to be determined with the approval of the Ministry of Municipal and Rural Affairs, taking into account the numbering of properties located on one side of the road with odd numbers and those located on the other side with even numbers.

**Article. 7**
The attached international standards approved by the High Authority for the Development of the City of Riyadh shall be applied to the signs of naming streets and squares.

**Article. 8**
The sign shall be placed in a prominent place, provided that it does not affect the sanctity of buildings. Signs may be written in English in the lower part, provided that the Arabic text is clearer.

**Article. 9**
Without prejudice to any harsher penalty stipulated in another law, whoever violates the provisions of these rules shall be punished with a fine not exceeding ten thousand riyals.

**Article. 10**
The violator shall be obligated to compensate for all damages resulting from his violation, including the costs of repairing the damage that he caused.

**Article. 11**
Violations of these rules and their evidence are detected and investigated according to procedures issued by the Minister of Municipal and Rural Affairs.

**Article. 12**
The provisions of these rules shall be decided by a committee formed by a decision of the Minister of Municipal and Rural Affairs of not less than three competent Saudis, and its decision shall be approved by the Minister of Municipal and Rural Affairs. A grievance may be made against the decision before the Board of Grievances within thirty days from the date of informing the violator of the decision.

**Article. 13**
The Minister of Municipal and Rural Affairs issues the decisions and instructions necessary to implement the provisions of these rules.

**Article. 14**
The Minister of Municipal and Rural Affairs may delegate some of his powers stipulated in these rules.

**Article. 15**
The Minister of Municipal and Rural Affairs may make exceptions to some of the provisions of these rules if he finds justifications to do so.

**Article. 16**
These rules shall be published in the Official Gazette and shall come into force after ninety days from the date of their publication.
Regulations and Legislation of Urban Facilities Names in the Kingdom of Saudi Arabia

The Kingdom of Saudi Arabia's Vision 2030 focuses on the main objectives of building a vibrant community by

1. improving the quality of Saudi cities.
2. enhancing the urban landscape.

to achieve these objectives, a dedicated program has been developed to monitor their progress, called the Quality of Life Program.

Within the framework of achieving its objectives, the responsible authorities have implemented initiatives and projects to enhance the naming of urban landmarks. As part of this effort, work has been done on the following:

- Strategy and roadmap.
- Governance framework.
- Guideline, procceing and operation.
The work of installing traditional signs of street names and District (residential areas within the city) is considered a key tool to activate the achievement of benefiting from these names, the key to inference, access, navigational systems. Today, the sings of Street names includes the 2D barcode to activate the smart cities on Riyadh, Saudi Arabia.
Enabling the Urban Facilities Name Database for everyone and use cases

MOMRAH National Urban Facilities Names Geospatial Database

Raw Data

Data & Maps API’s

Web Maps

• City Project Management Platform.
• Land Registration Services.
• Smart City Platform.
• Geodata Insight Platform
• Decision Support Solution for urban Development.

• judicial services platform (Najiz)
• National Education services Platform (Noor)
• Citizen ID Services App (Absher)
• Address’s Registration Services.

• National Maps
• Google
• TomTom
• Here
• Esri
• …. Etc.

• Banks
• Incurrence
• E-Commerce
• Retail
• Postal and Delivery
• Commerce

This database including different Data Sets of names on the maps, such as (Geographic name, urban facilities names, landmark … etc.).
Thank you