



2nd ASEAN- Japan Smart Cities Network High Level Meeting



Progress in the Smart City Action Plan of Yangon

Presented by

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Introduction: Smart City

“A smart city is an urban system that uses Information and Communication Technology (ICT) in its urban development, to extract useful information and effectively manage its resources and assets with the goal of achieving better quality of life.”



Introduction: Myanmar's Smart City Strategy

Myanmar's Smart City Strategy

The Republic of the Union of Myanmar

Prepared for
Department of Urban and Housing Development, Ministry of Construction

With technical assistance from UN Habitat



UNITED NATIONS HUMAN SETTLEMENTS PROGRAMME

Myanmar Smart Cities Strategies

- By engaging with people- using technology to transform services and infrastructure to improve the lives of citizens.

Aligning the Myanmar National Urban Policy (NUP) to the Myanmar Smart City Strategy (MSCS)

- NUP has **five goals** which form its core: Economic Development, Livability, Sustainability Urban-Rural Linkages, Preserving Rural and Urban Balance.
- **eight principles** equity, poverty reduction, admin integration, environmental integration, good governance, subsidiarity, participation and efficiency

United Nations (2016), UN-Habitat & New Urban Agenda

“makes use of opportunities from digitalization, clean energy and technologies, as well as innovative transport technologies, thus providing options for inhabitants to make more environmentally friendly choices and boost sustainable economic growth and enabling cities to improve their service delivery.” [United Nations](#)



Introduction: Yangon Smart City

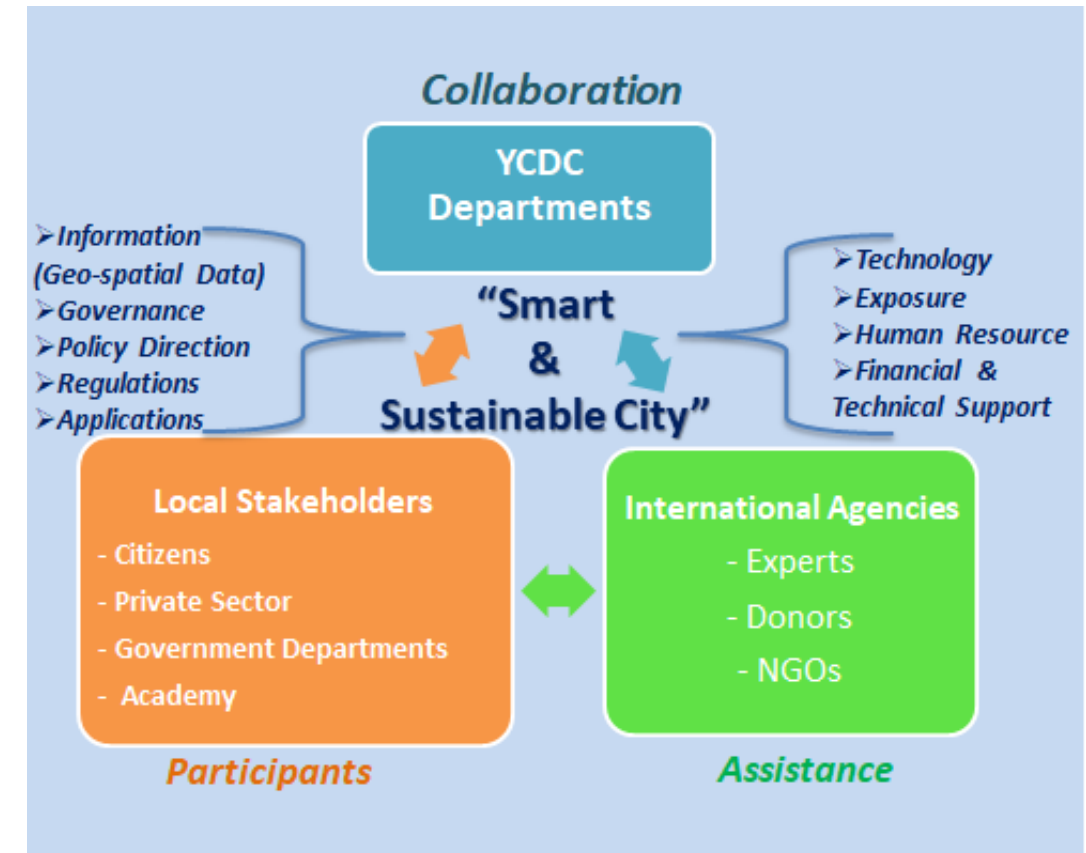
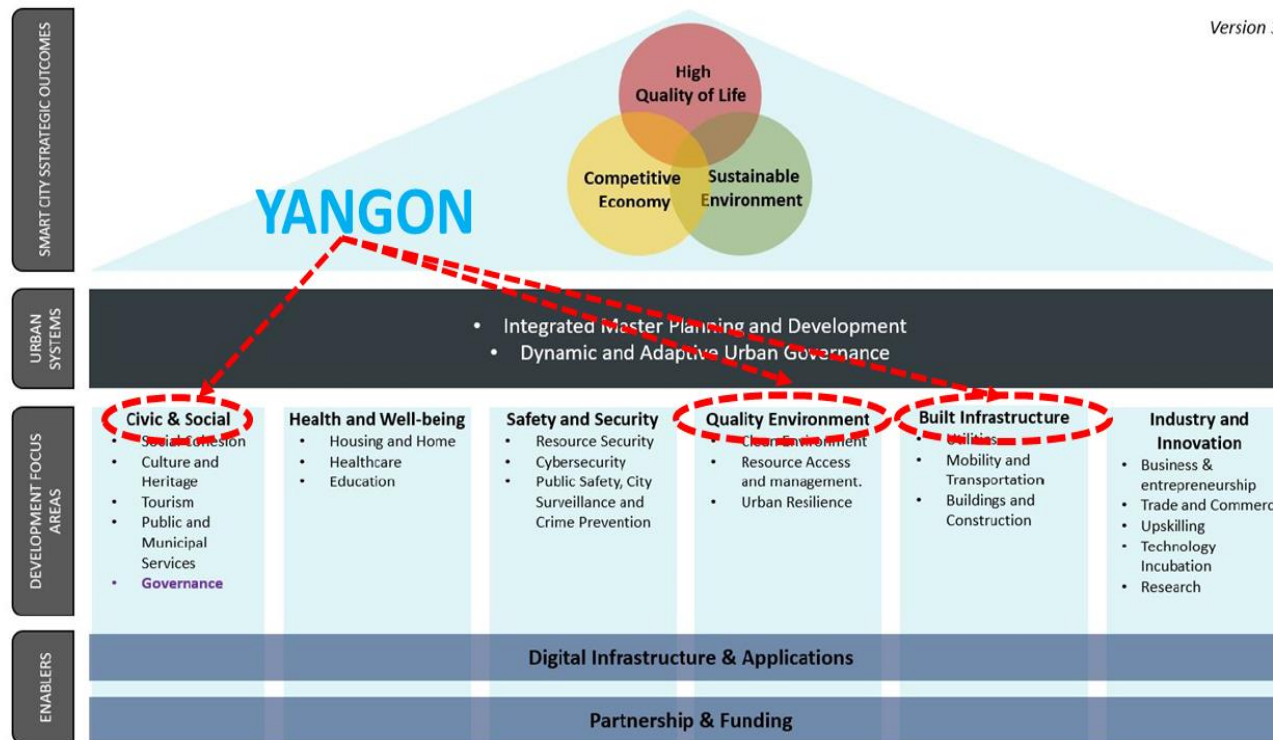


- ✓ At the 32nd ASEAN Summit on 28 April 2018, the ASEAN Leaders established the ASEAN Smart Cities Network (ASCN).
- ✓ The ASCN aims to facilitate cooperation on smart cities development, catalyze bankable projects with the private sector, and secure funding and support from ASEAN’s external partners.

Introduction: Yangon Smart City

ASEAN Smart Cities Framework

Version 3



Smart Cities Projects Proposed in ASCN

Smart City Project 1: Conservation of Downtown Yangon

Objectives

- To secure safety and comfort for users
- To link Heritage and people's activities
- To create place for people

Actions for Heritage Conservation

- Heritage Building Registration – 1996
- Blue Plaque Identification (August 9, 2014)
- Downtown Zoning with Conservation Area as Overlay (2020 Draft)

Progress of the Project

- Public Awareness Raising
- Public Space Management
- Capacity Building

Outcome: To improve the characteristics of Downtown Yangon

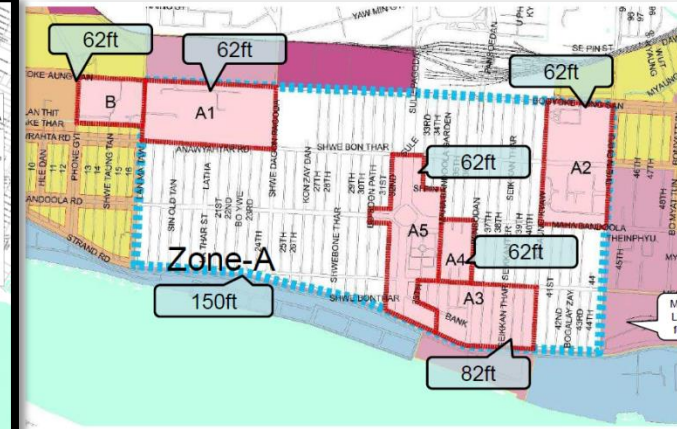
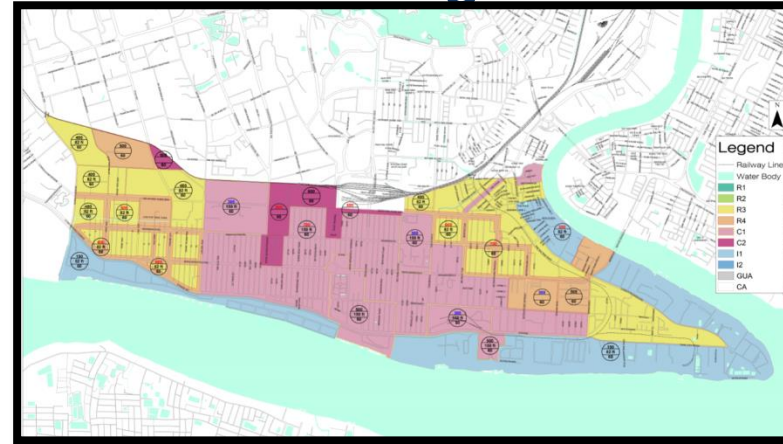


Photo: Urban Planning, YHT, Myo Lan Thar Report

Urban Planning Department, Yangon City Development Committee

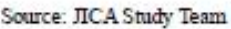


Before & After streetscape improvement Photo records

- ✓ Road carriage way -
Lane width / Parking
parallel and widening
pavements
- ✓ 3 actions –to make
streets more
pleasant, walkable
and safe.

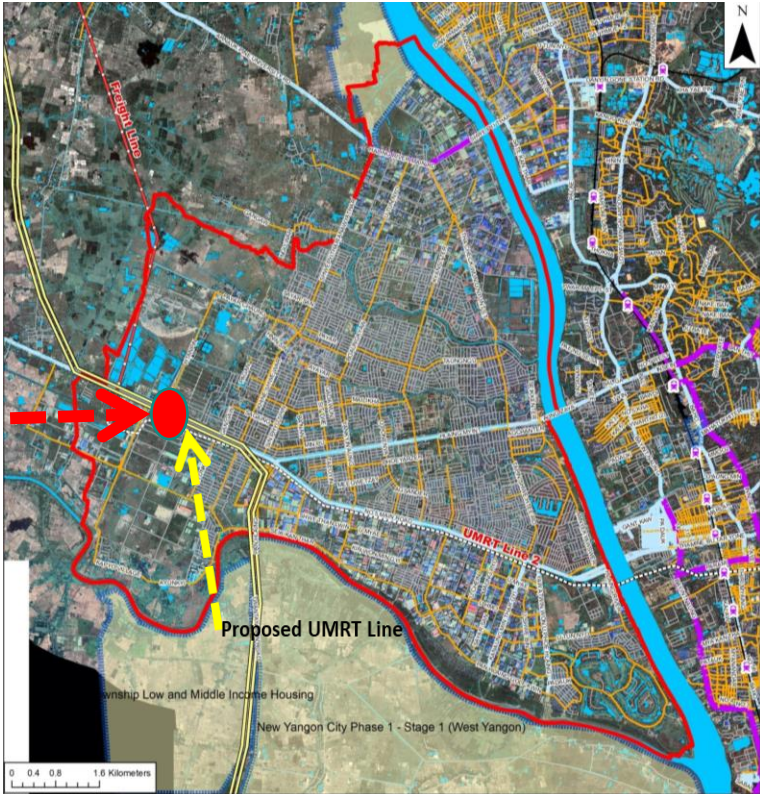


Smart City Project 2: Transit Oriented Development (TOD) in Hlaing Thar Yar Township



TOD intends to achieve preferable urban functions like high economic efficiency, living convenience, and environmental friendliness by conjugating urban development with public transportation.

To create a sustainable and classical characteristics of Transit Oriented Development in Hlaing Tharyar Township which is the outlet from Yangon Region to Ayeyarwaddy Region.

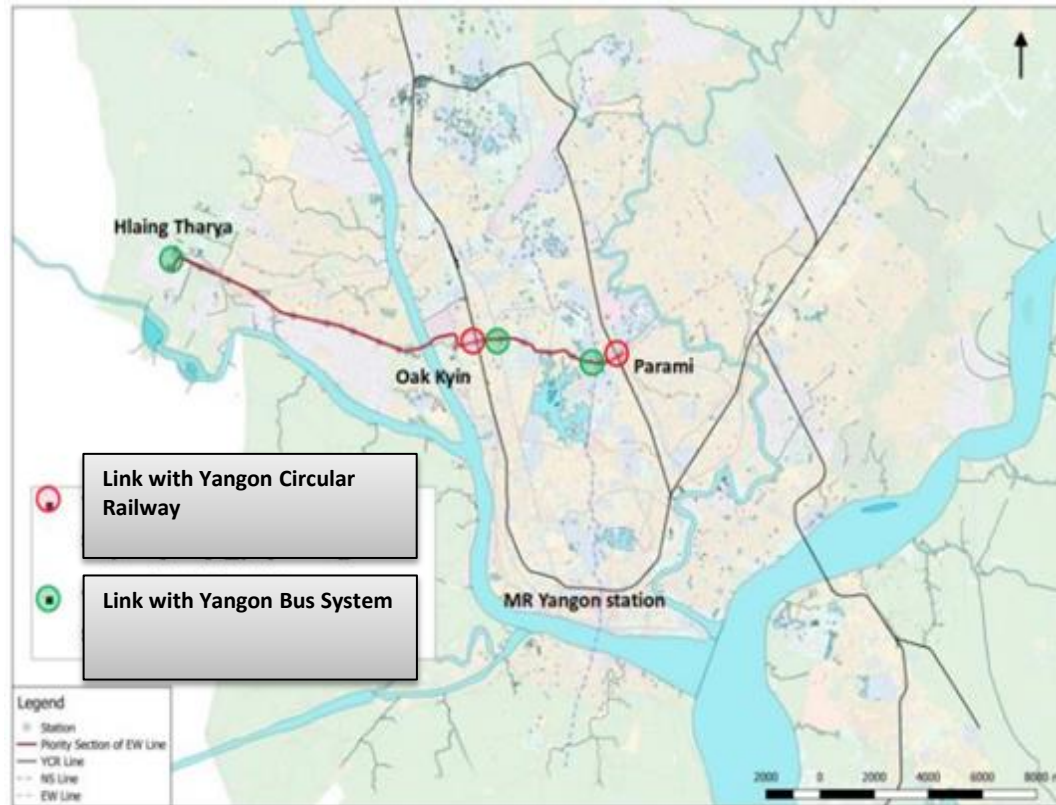


Project Location

Hlaing Tharyar

Project Area
300 Acres

Proposed Yangon Urban Mass Rapid Transit (YUMRT Line) in TOD Project



Smart Cities Projects Proposed in ASCN

Smart City Project 3: One Map YCDC

Aim

Development of Integrated Geospatial Database Platform from Spatial and Non-spatial data of all YCDC Departments.

Challenges

Data Sharing Policy, Data Management and Maintenance, Human resource, Advanced Technology, Hardware and Software, Deep Coordination

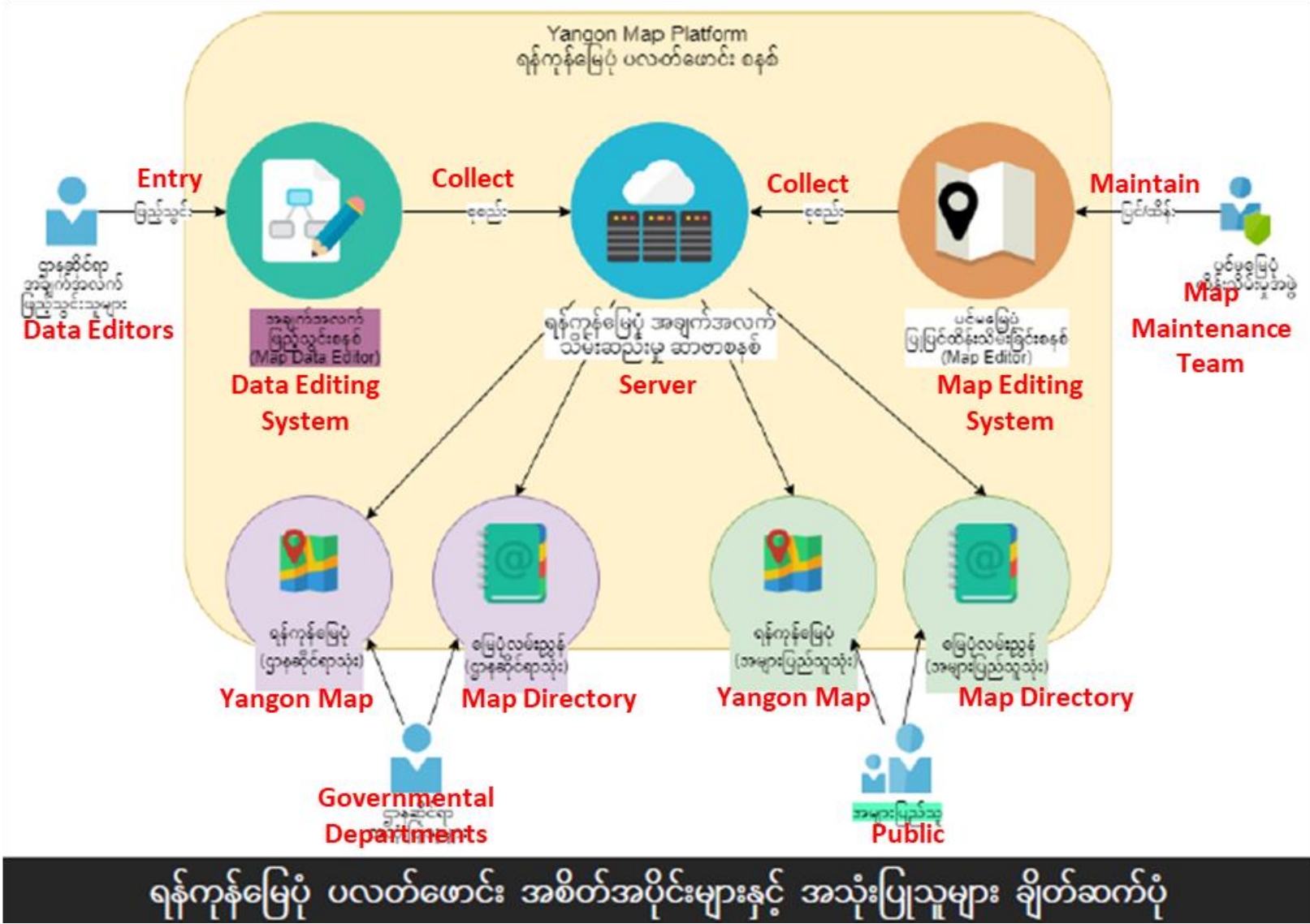
Benefits

- Easy to provide the public services
- Transparency in Governance
- Integrated geo-spatial data in sustainable development
- Ability to support Decision Makers
- Possibility to increase taxes and fees



Among 33 townships, 22 townships are checked by 100%

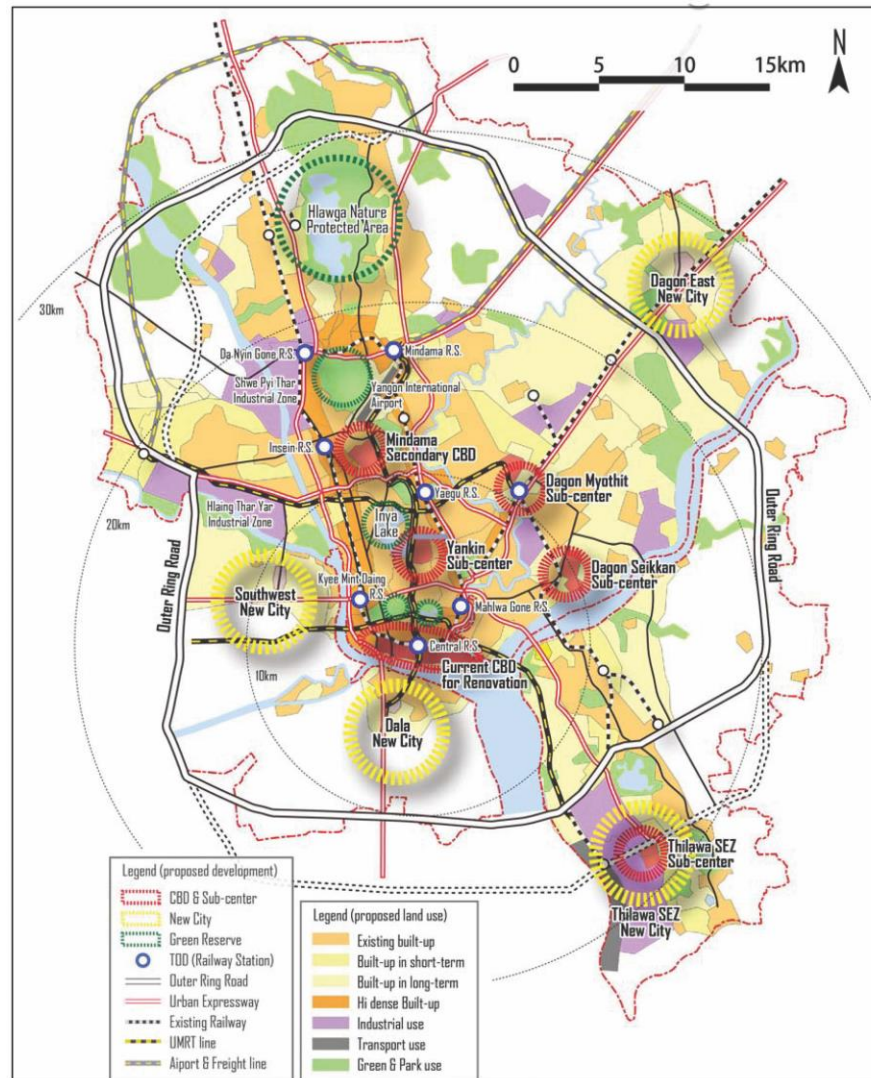
Linkage between Users and Yangon Map Platform



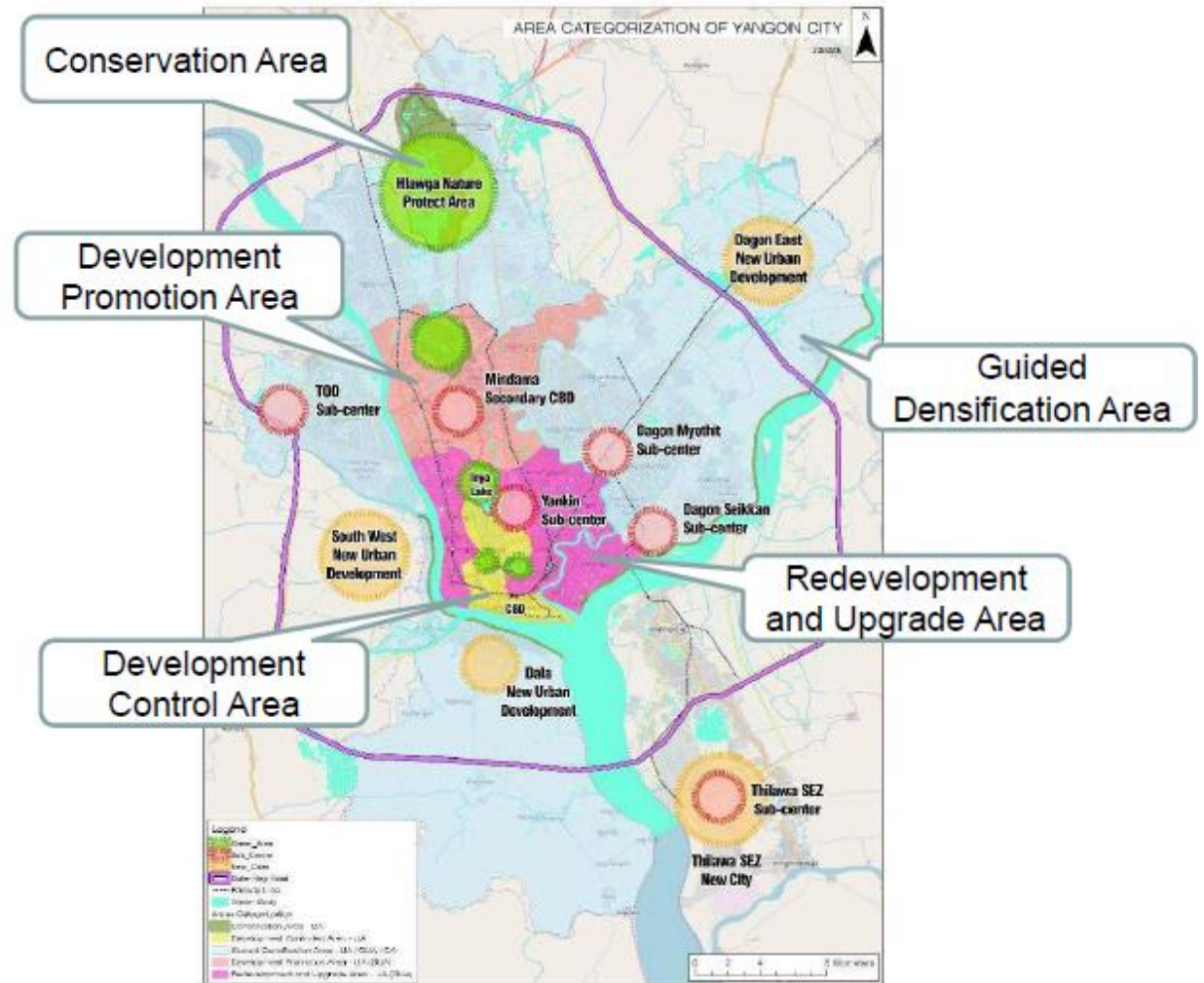
Source: Yangon Map Platform Concept

Yangon Zoning System

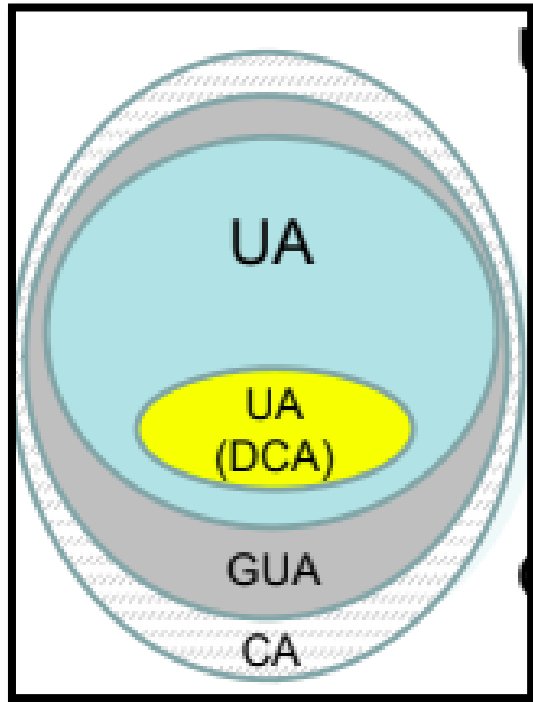
Yangon Master Plan



Area Categorization of Yangon



Classification of the Area



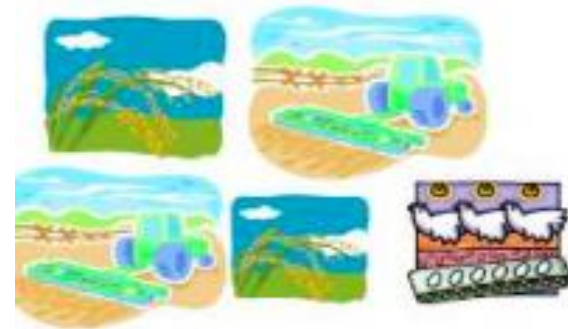
UA- Urbanization Area

GUA- Guided Urbanization Area

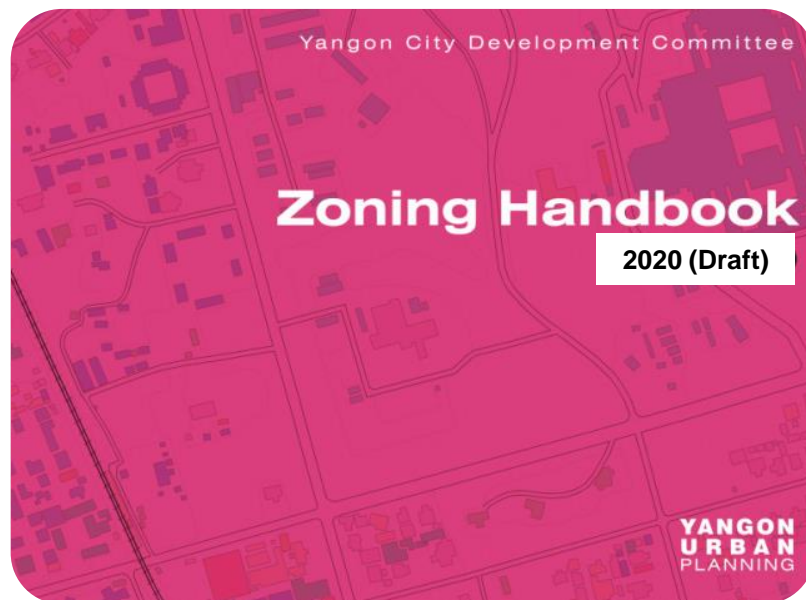
CA- Conservation Area



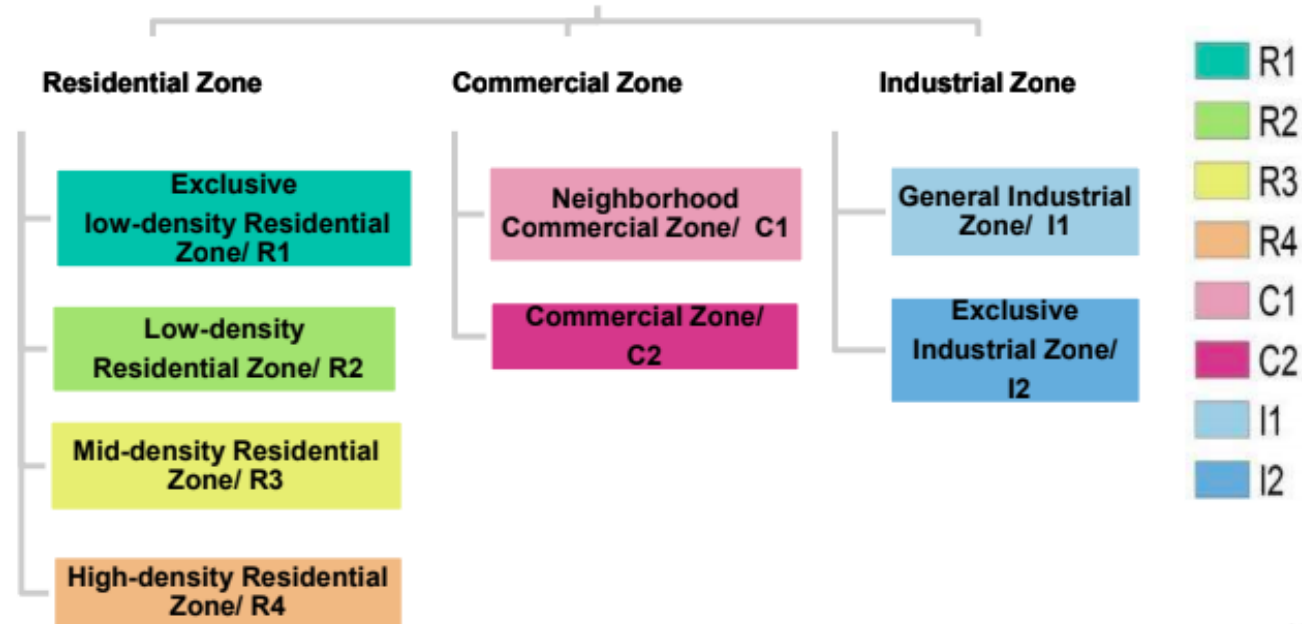
*Future Urban Expansion
up to GUA*



Procedures of Zoning Regulation and Handbook



Zoning Categories



Trend of Yangon Smart City

E-government System of Yangon City

The image shows a screenshot of the Yangon City Development Committee (YCDC) website. The header includes the YCDC logo, the text "Yangon City Development Committee", and navigation links: Home, Departments, Laws and Regulations, Services, About yangon city, and Entertainment. The URL <https://www.ycdc.gov.mm/> is displayed on the right.

On the left side, there are four blue boxes with white icons and text labels, each with a red arrow pointing to the "Online Services" section:

- Business License (Icon: ID card)
- Application of Signboard (Icon: Signboard)
- Application of Grant-land (Icon: House)
- Application for Building (Icon: Building)

The "Online Services" section is highlighted with a red dashed border and contains the text: "Business License, City Plan, Building". Below this, a news article is visible, titled "The Water and Sanitation Department of the Yangon City Development Committee (YCDC) is upgrading its potable water supply system by constructing a new water treatment plant and implementing disinfection facilities at existing water supply facilities throughout the city. YCDC would like to confirm technical and logistic requirements in order to develop qualification criteria and tender documents. Details can be looked at the Notice Board and latest news."

The main content area features a grid of blue buttons with white text and icons:

- Succession of Mayors
- News
- City FM
- City Library (highlighted with a yellow dashed border)
- Notice Board
- Tariff Information
- Township Maps
- City News Paper
- City Magazine
- Gallery
- MCC Hall For Rent
- Highways Express

Below the grid, there are three purple boxes with white text:

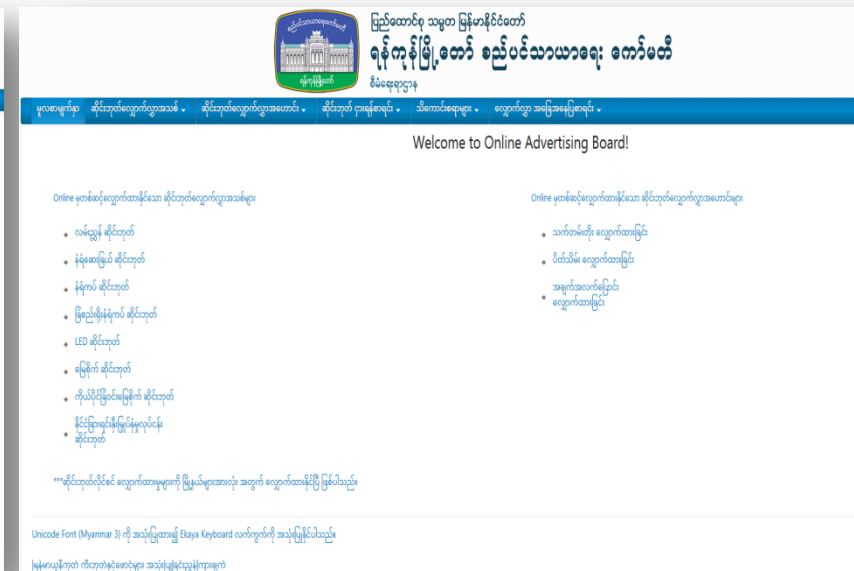
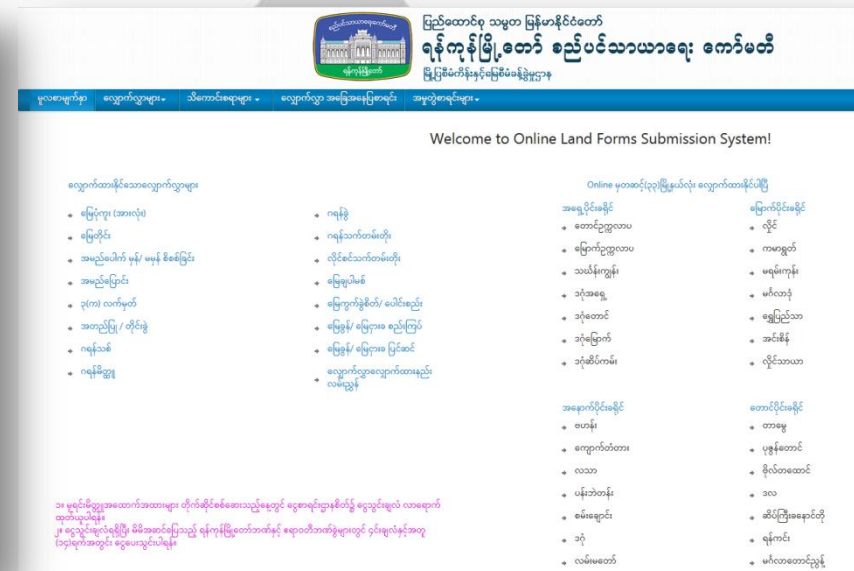
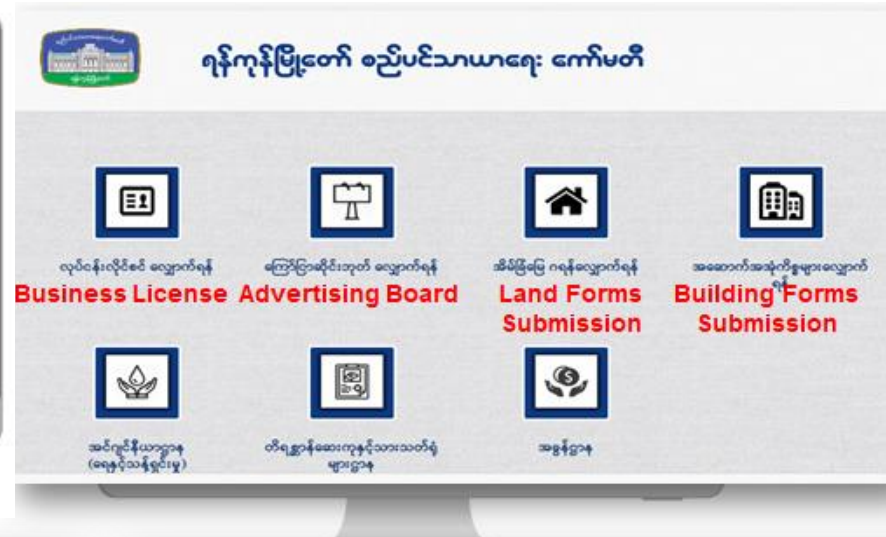
- Announcement of Engineering Dept:(Buildings)
- South East Asia Disaster Risk Management (SEA DRM) Projects for Myanmar
- Tarmwe Non Revenue Water Management Project

On the right side, there is a yellow-bordered box titled "City Library" showing a grid of book covers, including titles like "JAVASCRIPT", "Excel 2010 Formulas", "IELTS", and "Advanced Grammar".

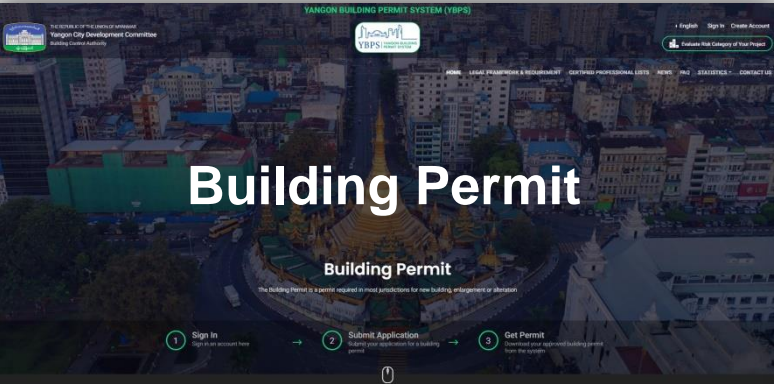
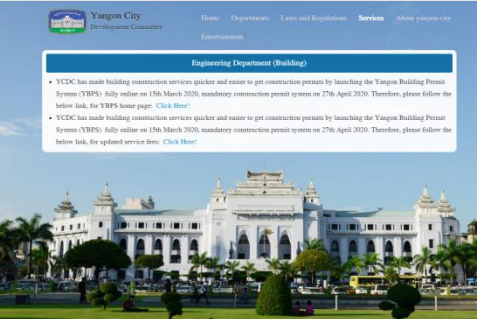
The footer contains links for Contact Us, Feedback, Reply, FAQs, YCDC apk, and City FM. It also displays statistics: "Today View - 818 Count" and "Total Hit - 2408136 Count". Copyright information for 2019 and a language selector (English) are also present.

Online Services of Yangon City Development Committee

<https://www.ycdc.gov.mm/>



Online Services of Yangon Building Permission System (YBPS)



Legal Framework & Technical Requirement

[Legal Framework](#)
[Technical Requirement](#)
[Sample Drawings and Application Forms](#)
[YCDC Water Pipe Line Maps](#)
[Service Fees](#)

Certified Professional List

[Architect List](#)
[Civil Engineer \(Construction\) List](#)

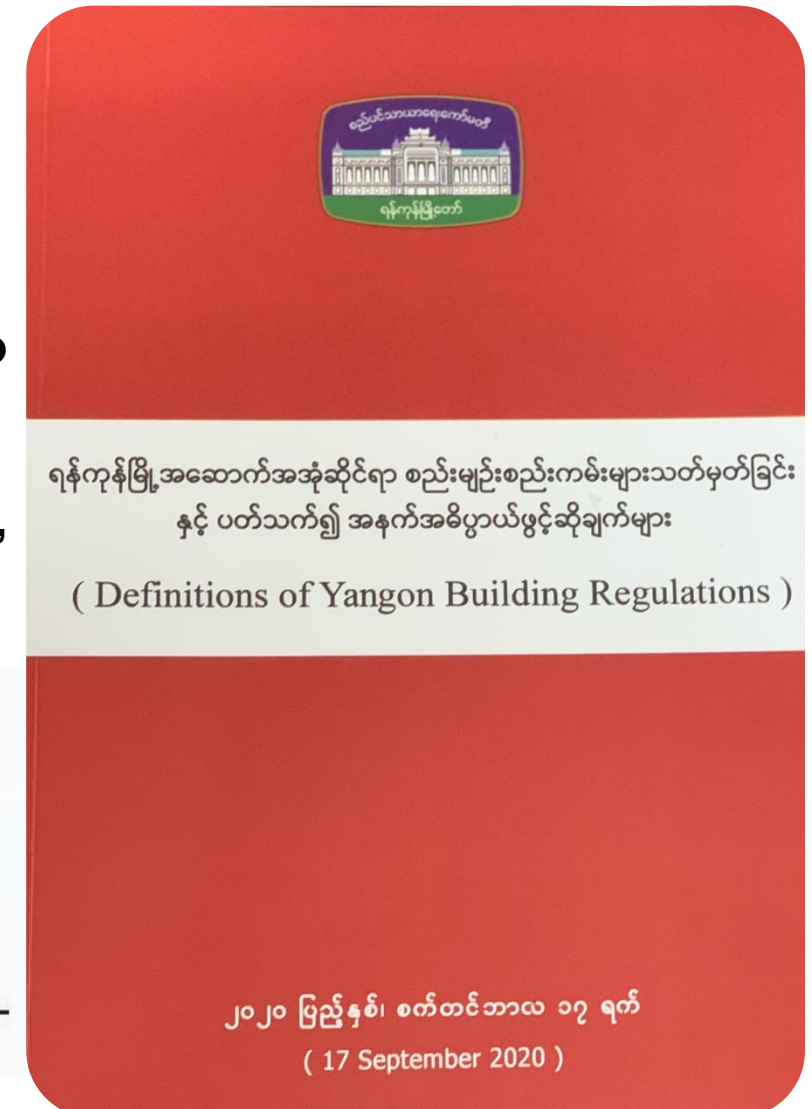
Definitions of Yangon Building Regulations on YCDC website

Objectives

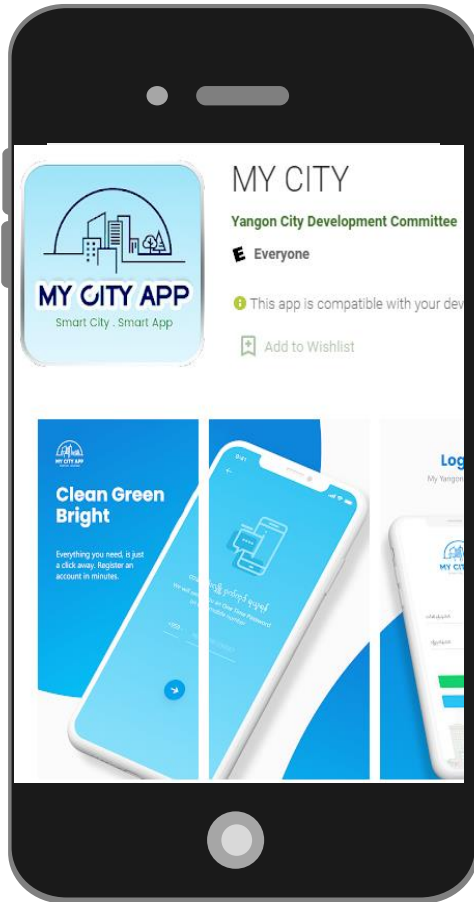
- To achieve sustainable development of Yangon City,
- To establish a statutory Zoning Regulations,
- To set up a building procedures, rules and regulations required to create healthy built-environment, and
- To establish such regulations that are easy to be followed by users, the citizens and stakeholders.



<https://www.ycdc.gov.mm/>



YCDC: My City Application



- ✓ The app will be connected to Yangon City Bank's City Pay wallet account.
- ✓ Taxes and fees can be paid any time and YCDC server can be easily accessed by using My City App with the smart phone.



Smart City Project Master Planning for Yangon

Vision: For City: Urban Management Optimization
For Culture: Attractive Destination Development
For Citizen: Quality of Life Improvement

Focus Area: Yangon- A few districts inside metropolitan area

Study Period: Aug 2020- Mar 2021

Partner : MLIT, Government of Japan



Smart Services of Yangon



YBS ကားအစိုးရ ၅၀၀ ကျော်မှာ ကတ်စနစ်နဲ့ ငွေချွေလို့ရမယ့် စက်တွေ တပ်ဆင်ပြီးပြီ

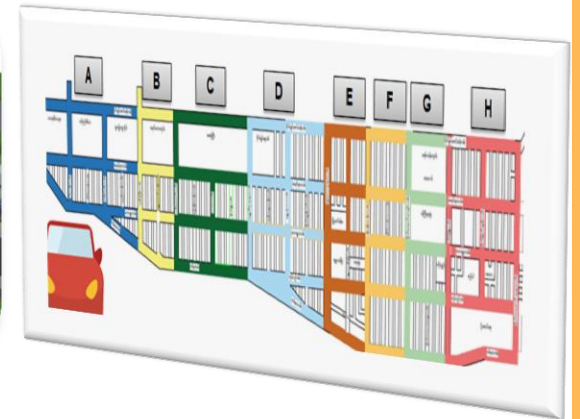
**Smart
Payment for
Yangon Bus
Service**



**Traffic Control
Center**



Smart Street



Smart Parking

To Fulfill our smart city vision...

Better Data Management

Data Organization



Better Services



Build Infrastructure:

Improve existing infrastructure
Networking and data storage facilities

Civic & Social:

Promote culture heritage and good
governance and e-government

Quality Environment:

Sustainable Environs, Urban
resilience



Thank you for your Attention

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