DₓF

2026-2030

SELANGOR'S DIGITAL FUTURE ACTION PLAN 2026 – 2030

JAWATANKUASA TETAP INFRASTRUKTUR DIGITAL SELANGOR

The **Selangor Digital Action Plan 2026-2030 (D$_x$F)** aims to achieve <u>4 main objectives</u>

1

Enable economic development in new areas through the expansion of digital infrastructure

2

Reduce the **cost** of digital infrastructure development

3

Accelerate the **adoption** of digitisation through existing infrastructure

4

Identify potential areas of **implementation** of **5G technology** for selected State Government operations

The project was initiated with 3 primary baseline analysis

1 Perform a current state assessment across the four key objectives

2 Review of relevant state and national plans & policies

3 Benchmarking and case studies on 3 countries and states

KEY TAKEAWAYS

Comprehensive Analysis of Objectives
An in-depth evaluation of the four outlined objectives was conducted to build a compelling case and effectively substantiate the anticipated outcomes.

Integration of Existing Policies
Relevant initiatives from federal or state-level policies were identified and incorporated to strengthen the digital infrastructure plan.
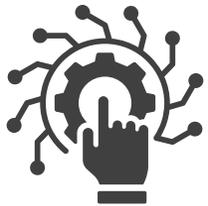
Adoption of Global Best Practices
Proven strategies and initiatives from digital transformation plans in other countries and states were explored and adapted to enhance the digital infrastructure strategy.

Selangor's Digital Future Action Plan
DxF 2026 - 2030

The Vision

To position **Selangor** as a regional leader in the **digital** economy by fostering an **inclusive**, **sustainable**, and **innovative** future for all

DIGITAL | **INCLUSIVE** | **SUSTAINABLE** | **INNOVATIVE** | **FUTURE FOR ALL**

Various stakeholders were engaged to develop the action plan

In-Depth Interview (IDIs)

SHRDC
Key challenges encountered by **SMEs striving for digital transformation**

MCMC
Highlighted **governance challenges** faced within the Selangor digital ecosystem

EDOTCO
Specific challenges faced by **TowerCos** and **Telcos in connectivity development**

Workshop

Workshop participants represented by:

▶ 15 state agencies

▶ 12 local councils

▶ 24 private sectors

▶ **Identified current challenges** and gathered **strategic recommendations** in achieving the 4 objectives

The digital roadmap balances *Operational Enhancement* for efficiency and *Strategic Foresight* for innovation and growth

OPERATIONAL ENHANCEMENT

Aimed at addressing current operational issues and challenges

7 Strategic Thrusts

17 Initiatives

D$_x$F

2026-2030
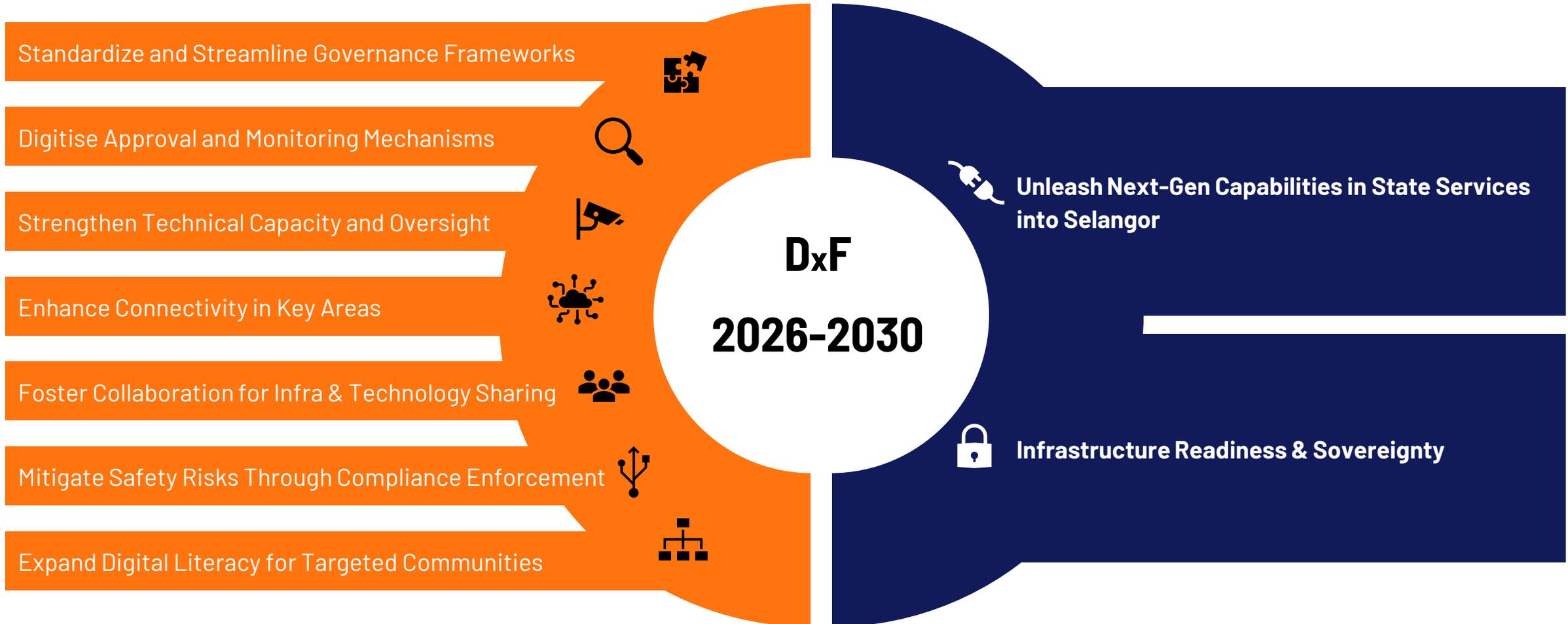
STRATEGIC FORESIGHT

Designed to ensure the policy remains forward looking, future-proofing the state's digital ecosystem

1 Enabler

1 Strategic Thrust

13 Initiatives

Operational excellence, guided by strategic foresight, is the __key__ to unlocking the full potential of our digital future

Standardize and Streamline Governance Frameworks

Digitise Approval and Monitoring Mechanisms

Strengthen Technical Capacity and Oversight

Enhance Connectivity in Key Areas

Foster Collaboration for Infra & Technology Sharing

Mitigate Safety Risks Through Compliance Enforcement

Expand Digital Literacy for Targeted Communities

D_xF

2026-2030

Unleash Next-Gen Capabilities in State Services into Selangor

Infrastructure Readiness & Sovereignty

THE HIGH IMPACT INITIATIVES

DxF

2026

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2030

1. Selangor's 5G Public Sector Innovation & Experiential Centre

A place for the state government to display all its public sector based 5G use cases

Launch Selangor's first 5G Innovation & Experiential Centre to showcase the State's Smart City vision

2. Selangor AI Intelligence Office

An AI office to discuss potential AI usage into the state government

Establish a 'Selangor AI office' to chart the strategic vision for AI development within the state

3. AI Powered Selangor Unified App

An AI enabled and integrated app for all state services to the public

Establish Selangor's first state SuperApp as a one stop AI enabled seamless portal for all Selangorians

4. Selangor State Government Centralised Dashboard

A dashboard at state level that consolidates traffic, crime, weather etc data all across Selangor

Establish the SUK Central Command Dashboard that aggregates real-time data from PBTs to monitor critical oversight points

5. Elevate Selangor's CyberSecurity Emergency Response Unit

An enhanced cyber security team to protect thestate from online hackers/spams etc

Expand Cyber Emergency Response Team (CERT Selangor) to strengthen cybersecurity measures of Selangor's digital infrastructure and data privacy

6. Selangor Talent Upskilling Hub

Free digital skill classes (learn how to code etc) for unemployed or gig workers in Selangor

Establish digital learning hubs for unemployed & gig economy workers, targeting high value future skills

7. Selangor's GPU as a Service (GPUaaS)

To evaluate the viability of GPU-as-a-Service (GPUaaS) as a new revenue stream for SSDC, enabling high-performance computing (HPC), AI training, and cloud-based GPU processing

Assess feasibility of offering affordable GPU as a Service as a potential new business model for the state

8. Selangor's Tropical Data Centre Sustainability Standard

A method to reduce the energy usage of data centres

Design and develop a tropical data centre sustainability standard for all data centres in Selangor

9. Selangor Digital Literacy Hub

Basic digital learning classes/awareness programmes (How to use online banking, how to detect a scammer)

Scale up community based digital literacy by leveraging and enhancing the existing federal government programmes within Selangor

10. State-Owned Dark Fibre For Public Services

Appoint a state entity to deploy and manage dark fibre for public sector connectivity

Leverage a state-owned entity to build, maintain and operate future dark fibre for state services

11. Reliable, Efficient, and Inclusive Public Wi-Fi

Transform WSS 3.0 into a reliable, self-sustaining public Wi-Fi network across Selangor

Transform Wifi Smart Selangor into self-sustaining public Wi-Fi network across selected key locations within Selangor

These initiatives are dedicated to be implemented into four phases

Phase 1

Phase 2

Phase 3 & 4

SELANGOR'S DIGITAL INFRASTRUCTURAL PROGRESS ROADMAP

SHORT (2026–2027) | **MID (2026–2028)** | **LONG** | **2030 onwards**

5
quick win
initiatives

12
mid-term
initiatives

13
long term
initiatives

THANK YOU

ST-G-1 | Standardise and Streamline Governance Frameworks

Establish and enforce SLAs for infrastructure deployment approvals, monitored through a centralised platform at the OSA

Benchmark state fee models to assess Selangor's cost of doing business in the infrastructure ecosystem

Organise a state-wide workshop and compliance programme adopt GPP-I element within PlanMalaysia's guidelines

Develop and implement an SOP Bantahan for public complaints towards infrastructure deployments

ST-G-2 | Digitise Approval and Monitoring Mechanisms

Digitise and integrate infrastructure deployment process

Establish the SUK Central Command Dashboard to monitor critical oversight points

ST-G-3 | Strengthen Technical Capacity and Oversight

Launch a specialised recruitment drive and training programmes to onboard telco-experienced technical officers

Introduce a milestone-based grant disbursement and monitoring system linked to periodic performance reviews

ST-I-1 | Enhance Connectivity in Key Areas

Introduce state regulations mandating minimum connectivity standards in all state-owned properties,

Establish a state-led task force to identify underserved rural areas for targeted connectivity projects

ST-I-2 | Foster Collaboration for Infrastructure & Technology Sharing

Create incentives for telcos that actively participate in tower sharing and collaborate on infrastructure projects

Replace rooftop telecom setups to public-private owned shared towers within selected zones

Leverage a state-owned entity to build, maintain and operate future dark fibre for state services

ST-S-1 | Mitigate Safety Risks Through Compliance Enforcement

Launch an audit and compliance programme to identify, legalise, or decommission illegal towers

ST-S-2 | Expand Digital Literacy for Targeted Communities

Scale up community based digital literacy by leveraging and enhancing the existing federal government programmes within Selangor

Establish digital learning hubs for unemployed & gig economy workers, targeting high value future skills

Transform Wifi Smart Selangor into self-sustaining public Wi-Fi network across selected key locations within Selangor

Ipsos Strategy3

ST-F-1 | Unleash Next-Gen Capabilities in State Services into Selangor

Launch Selangor's first 5G Innovation & Experiential Centre to showcase the State's Smart City vision

Establish a 'Selangor AI office' to chart the strategic vision for AI development within the state

Activate Selangor's state cloud platform to digitise e-services

Design and develop a tropical data centre sustainability standard for all data centres in Selangor

Elevate Selangor's SMEs by exploring innovative financing for Smart Manufacturing solutions

Establish Selangor's first state SuperApp as a one stop AI enabled seamless portal for all Selangorians

Integration and monitoring of real-time data across all public transport services within Selangor

Ipsos Strategy3   Ipsos

ST-E-1 | Infrastructure Readiness & Sovereignty

Explore public-private partnerships (e.g., IRU agreements, build-operate-transfer (BOT)) for state infra deployments

Develop a phased migration strategy to transition all state entities to Selangor's digital network

Explore offering waivers or concessions on state fees for state-owned infrastructure deployment

Assess feasibility of offering affordable GPU as a Service as a potential new business model for the state

Expand CERT Selangor into a Cyber Security Unit to strengthen cybersecurity measures

Establish a Rapid Response SOP to address impacted digital infrastructure during disaster incidences

IpsosStrategy3