

Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City

TWENTIETH CONGRESS
First Regular Session

HOUSE BILL NO. 7910



Introduced by: **REP. SALVADOR A. PLEYTO, SR.**

EXPLANATORY NOTE

Infrastructure development remains one of the government's primary drivers of economic growth, regional connectivity, and public service delivery. However, planning inefficiencies, overlapping projects, lack of spatial data coordination, and weak monitoring systems often lead to delays, cost overruns, and underutilized infrastructure.

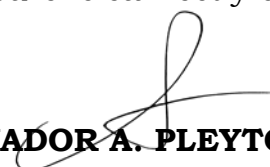
Geographic Information Systems (GIS) provide a powerful tool for planning, implementing, and monitoring infrastructure projects by enabling accurate mapping, spatial analysis, and real-time visualization of project data. Integrating GIS into infrastructure programming enhances transparency, improves decision-making, strengthens disaster resilience planning, and ensures that public investments are strategically located and efficiently maintained.

Mandating GIS integration in infrastructure projects funded through the Annual General Appropriations Act will modernize infrastructure governance, reduce duplication of projects, improve inter-agency coordination, and promote evidence-based development planning. The public will also benefit from greater transparency, as infrastructure projects become easier to track and evaluate.

Infrastructure projects funded by public money will not only be built, but also properly documented, monitored, and integrated into a national spatial planning network. Thus, the establishment of the National Spatial Registry.

More importantly, this proposed measure is about maximizing the value of public funds. When infrastructure planning is informed by accurate data and mapping, projects are more strategic, sustainable, and responsive to the needs of the public.

In view of the foregoing, the passage of this measure is earnestly sought.


SALVADOR A. PLEYTO, SR.

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Introduced by: **REP. SALVADOR A. PLEYTO, SR.**

**AN ACT MANDATING THE INTEGRATION OF GEOGRAPHIC
INFORMATION SYSTEMS (GIS) IN ALL GOVERNMENT
INFRASTRUCTURE PROJECTS UNDER THE ANNUAL GENERAL
APPROPRIATIONS ACT, ESTABLISHING THE NATIONAL SPATIAL
INFRASTRUCTURE REGISTRY, AND APPROPRIATING FUNDS
THEREFOR**

*Be it enacted by the Senate and House of Representatives of the Philippines in
Congress assembled:*

SECTION 1. *Short Title.* - This Act shall be known as the "Smart
Infrastructure and GIS Integration Act."

SEC. 2. *Declaration of Policy.* It is hereby declared the policy of the
State to promote transparency, efficiency, sustainability, and evidence-based
planning in public infrastructure development. The State recognizes the
importance of geospatial data and Geographic Information Systems (GIS) in
improving project planning, monitoring, disaster resilience, and asset
management.

To ensure accountability and optimized allocation of public funds, all
infrastructure projects funded under the Annual General Appropriations Act
shall incorporate GIS-based mapping and monitoring components.

SEC. 3. *Definition of Terms.* - For the purpose of this Act, the following
terms shall mean:

1. Geographic Information System (GIS): A conceptualized framework that
provides the ability to capture and analyze spatial and geographic data.
2. Infrastructure Projects: Shall include, but not be limited to, roads,
bridges, school buildings, hospitals, water systems, flood control
structures, and digital connectivity assets funded by the National
Government.
3. Implementing Agencies: refers to any national government agency,
GOCC, State Universities and Colleges, or Local Government unit

implementing infrastructure projects funded under the Annual General Appropriations Act.

4. Geo-tagging: The process of adding geographical identification metadata to various media, such as photographs or videos.

SEC. 4. *Mandatory GIS Integration.* - All government agencies, including Government-Owned and Controlled Corporations (GOCCs) and Local Government Units (LGUs) implementing infrastructure projects appearing in the annual General Appropriations Act (GAA), are hereby mandated to submit GIS-compliant data for every project. No project shall be released for bidding without a verified spatial coordinate profile.

SEC. 5. *The National Infrastructure Spatial Registry (NISR).* There is hereby created a centralized database to be managed by the Department of Information and Communications Technology (DICT), in coordination with the Department of Public Works and Highways (DPWH) and the National Economic and Development Authority (NEDA). This registry shall be:

1. Accessible to the Commission on Audit (COA) for real-time monitoring.
2. Open to the public via a web-based dashboard (subject to national security protocols).

SEC. 6. *Funding.* - The amount necessary for the initial implementation of this Act shall be charged against the current year's appropriations of the DICT and DPWH. Thereafter, it shall be incorporated in the annual budget of the implementing agencies and may be charged to project management or administrative costs, subject to budgeting, accounting, and auditing rules and regulations

SEC. 7. *Implementing Rules and Regulations (IRR).* - Within sixty (60) days from the effectivity of this Act, the DICT, DPWH, and DBM shall promulgate the necessary rules and regulations for its effective implementation.

SEC. 8. *Repealing Clause.* - All laws, decrees, executive orders, rules and regulations, or parts thereof which are inconsistent with the provisions of this Act are hereby repealed, amended, or modified accordingly.

SEC. 9. *Separability Clause.* - If any provision of this Act is declared unconstitutional or invalid, the remainder of the Act or the provisions not otherwise affected shall remain in full force and effect.

SEC. 10. *Effectivity.* - This Act shall take effect fifteen (15) days after its publication in the Official Gazette or in two (2) newspapers of general circulation.

Approved,