

Overview of Developments of Edition II of the Land Administration Domain Model

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SUMMARY

The International Organization for Standardization (ISO) standard 19152 Land Administration Domain Model (LADM) was published in its first edition in 2012 to address basic information-related components of Land Administration (LA). The LADM is a knowledge domain standard capturing the semantics of the LA domain. Even if the Edition I of the standard had a broad vision, the emphasis was mainly on land tenure and spatial units (parcels). The marine spaces, as well as the aspects of land value and land use were purposely left aside of the scope of the standard.

It is pertinent to note that LADM is designed as generic as possible to support land administration and its development in a region or country.-Specific extensions can be defined in local profiles. In fact, the LADM Edition I is widely utilized and has been applied for various cases and purposes.

The second edition of the standard will be published as multipart. Part 1 presents the Generic Conceptual Model of the LADM, while Part 2 focuses on Land Registration will be largely based on LADM Edition I but has been extended with a refined survey model, 3D spatial profiles and semantically enriched code lists. Part 3 on Marine Georegulation will bring value by harmonizing the description of rights, restrictions and responsibilities in the marine domain - aligned with land concepts in order to provide seamless land/marineLA. LADM Part 3 is foundedThe IHO standard S-121 'Marine Limits and Boundaries', is the basis for LADM Part 3. Part 4 is about Valuation Information in line with land administration and the characteristics and semantics of valuation registries usually maintained by public authorities. Part 5 is about Spatial Plan Information and includes planned land use (zoning) represented into rights, restrictions and responsibilities. Lastly, Part 6 is planned to be about the implementation of the LADM, with the active participation of the Open Geospatial Consortium

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(OGC).

This paper focuses on the current status of the developments of LADM Edition II. It should be noted that these developments are ongoing and under discussion and may undergo changes based on comments and observations during the voting rounds.

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