

Establishment of KSA-CORS Network, Its Performance and Future Plans

Saad Al-Qahtani, Abdulwasiu Salawu, Abdullah Al-Qahtani and Abdullah Al-Thawwad (Saudi Arabia)

Key words: GNSS/GPS; Keyword 1; Keyword 2; Keyword 3

SUMMARY

Geographically, the KSA-COR network has greatly expanded to almost encircling the Kingdom's two million square kilometers. The 209 CORS that make up the national KSA-CORS network were designed with a number of challenges as described in this paper. Many governmental organizations continuously build independent CORS networks for their specific businesses, which wastes money from the government's budget. In order to give the geospatial user community uniform references, it has been decided to unify these networks. The progress of the networks' unification and the difficulties encountered are also described in the paper. The preliminary evaluation of the KSACORS network for the recently published KSA-GEOID21 as well as published geodetic and vertical references is also covered.

Establishment of KSA-CORS Network, Its Performance and Future Plans (12208)

Saad Al-Qahtani, Abdulwasiu Salawu, Abdullah Al-Qahtani and Abdullah Al-Thawwad (Saudi Arabia)

FIG Working Week 2023

Protecting Our World, Conquering New Frontiers

Orlando, Florida, USA, 28 May–1 June 2023