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Third party liability issues in commercial space activities (3)

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INTEROPERABILITY OF GNSS, LEGAL ISSUES AND IMPLICATIONS UNDER PRIVATE
INTERNATIONAL LAW FOR AN END USER

Abstract

According to IEEE definition Interoperability is the ability of two or more systems or components to exchange information and use information that has been exchanged. In GNSS context, interoperability can be understood such that individual GNSS components should be designed, built and operated in such a way that they do not “jam” each other and allow one to combine their signal in a navigation service of superior quality, obviously, the combination of signals occurs in the user receiver, nevertheless it is up to the system to make combination easy and efficient. The three global navigation satellite systems — GPS, GLONASS, and GALILEO addresses the issue of their compatibility and interoperability with each other. For users, these represent crucial aspects of the relationship among GNSS, affecting such matters as cost of equipment, ease of use, and practical applications.. As the application varies depend on the requirement of end use, the legal issues also varies. Therefore legal regime varies based on its application. The issues for end user as to claim and jurisdiction are involved in private international law. This paper aims to address these issues.