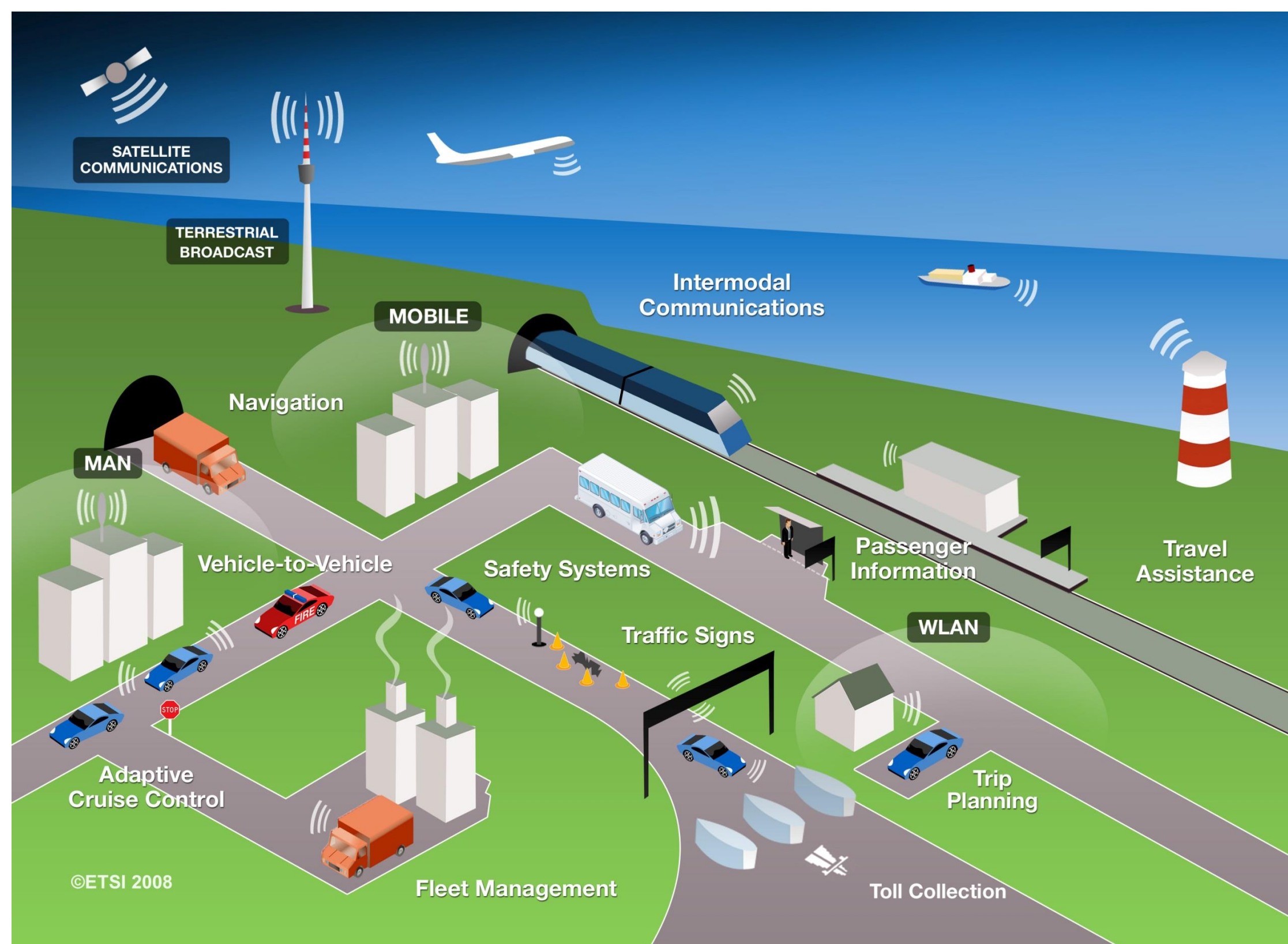


Developing an Open Source conformance testing environment for ITS communications

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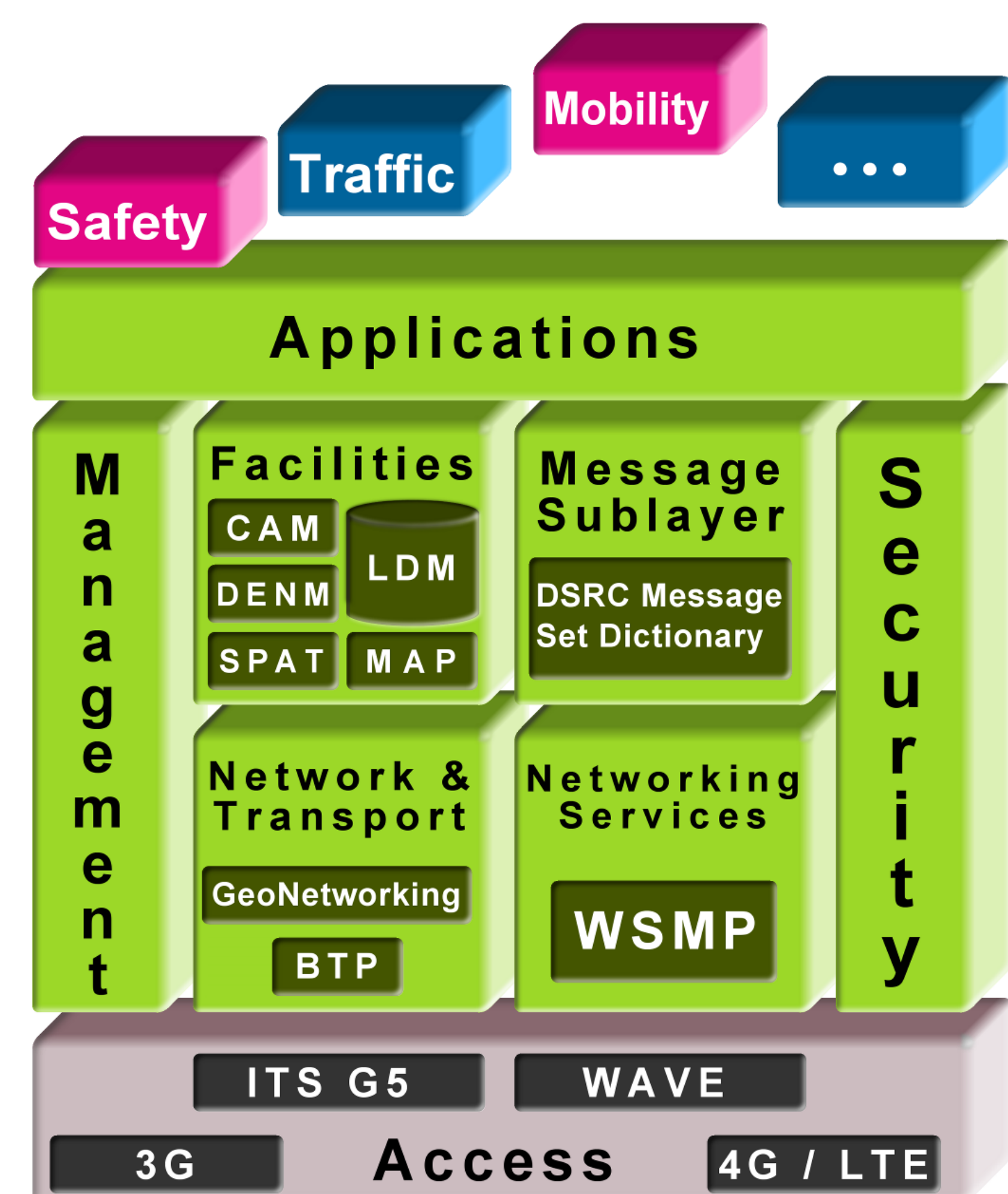
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ITS - **Intelligent Transport Systems and Services** - is the integration of information and communications technology with transport infrastructure, vehicles and users.

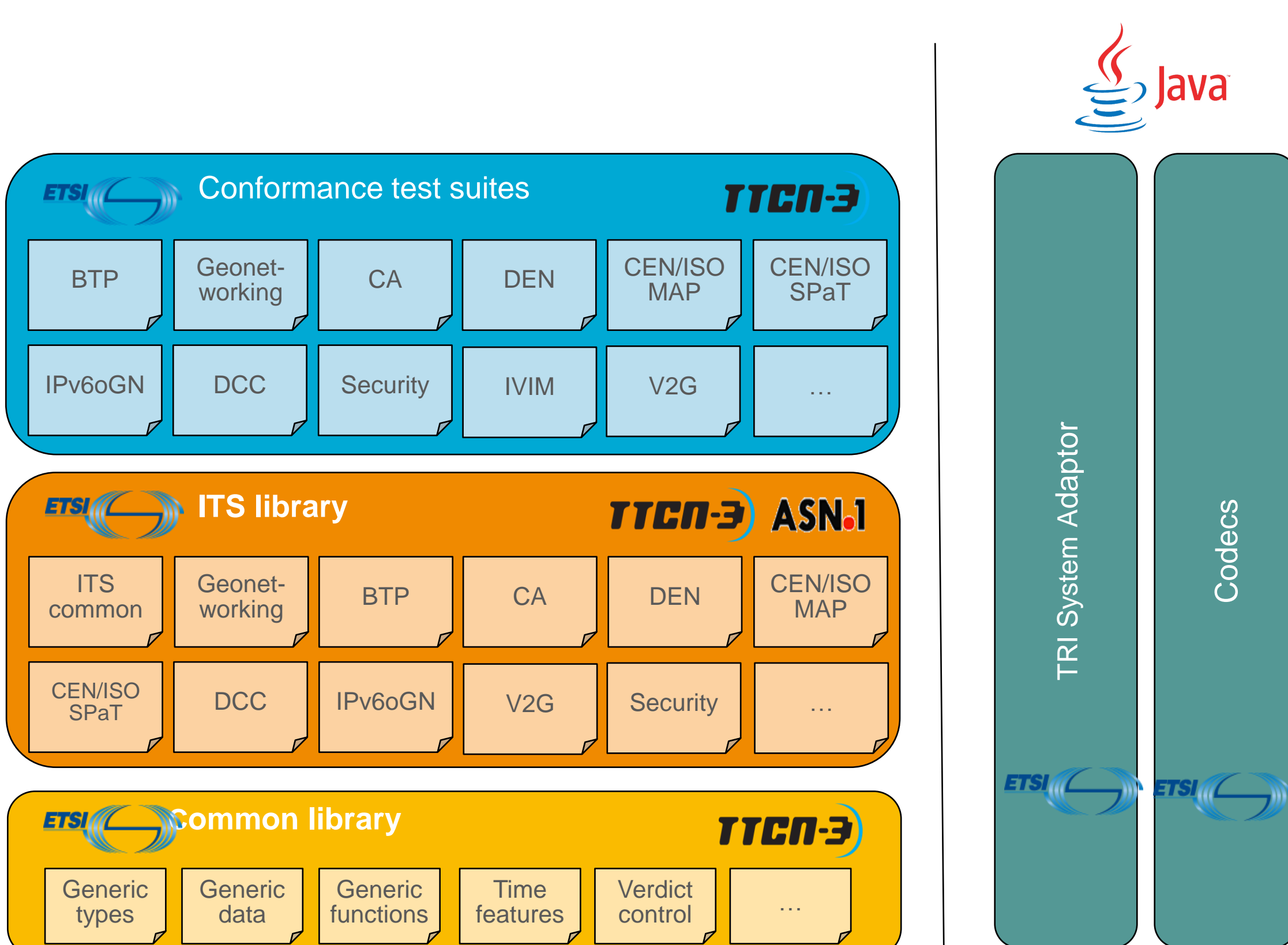
By sharing vital information, **ITS allows people to get more from transport networks**, in greater safety and with less impact on the environment.

ITS equipment is currently being deployed in experimental trials with the progression towards fully operational deployment. **Thorough conformance testing will increase the level of confidence** that equipment from various suppliers will interoperate. This in turn will reduce implementation and rollout times.



The protocol stack

During the past few years ETSI has developed **libraries** for cooperative ITS testing, **conformance test suites** for ITS protocols, a Java **test adaptor** and **codecs** to accelerate execution of the tests



Applus+ IDIADA and Ericsson - in cooperation - has developed a **solution allowing execution of the ETSI test suites with the open source TTCN-3 tool Titan**. It has been successfully used in ITS related European projects such as i-Game and Companion.

