

Abstract

TITLE: Advanced ITS Instances in Yokosuka Research Park

Speaker: YRP R&D Promotion Committee

YRP (Yokosuka Research Park) is a research and development site where several research institutes and enterprises are located. We can see the growing interest on in R&D (Research and Development) on ITS (Intelligent Transport Systems) today.

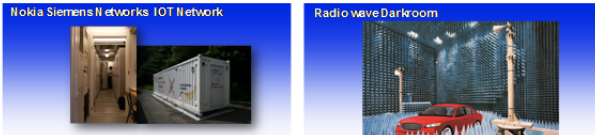
We present an outline of YRP. Firstly, we introduce the eCall test environments outside with GSM Core Network. The eCall is automated emergency call system (called ERA-GLONASS in Russia), to all new vehicles after 2014.

Secondly, we introduce a result of study on application of LTE (Long Term Evolution) to ITS by Broadband Wireless Forum which is a part of YRP R&D Promotion Committee's organization. YRP R&D Promotion Committee contributes to the development of ICT (Information Communication Technologies) in YRP area.

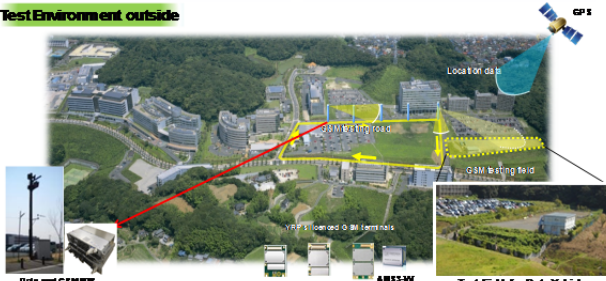
Finally, we introduce an effectiveness of 700MHz ITS with using visual images of a demonstration experiment conducted in YRP.

Test Environments with GSM Core Network in YRP

Test Environment inside



Test Environment outside



GPS
Location data
GSM test field
YRP's owned OBU Terminals
Pole and GSMRS
ACS1 Criterion
KCS1 Criterion
ACS2W Criterion

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Examples of application of LTE to ITS

