

Summary of SIP-adus project (FY2015)

Name of the project	Basic design on the development of movement support system for people with mobility constraints
Responsible Organization	UTMS Society of Japan
Name:	Hiroshi Kato
Object of the Project	
<p>For the tasks of movement support for people with mobility constraints during Tokyo Olympics and Paralympics and for transportation constraints in super-aging society, we will study technical development and strategy to achieve travel support for transportation constraints combining convenience and economical rationality.</p>	
Project Summary	
<p>To prepare for the FOT(Field operational Test) after the next fiscal year, we developed a basic design aimed at sophisticating a traffic accident prevention system called PICS(Pedestrian Information and Communication Systems) which supports the safety of the pedestrian (the elderly, the visually disabled) by informing traffic signal status with voice synthesis or executing time extension of green light for pedestrian crossing.</p> <p>Basic design is planned to be implemented in 2 years after fiscal 2014 and this fiscal year is the second year of the term. In fiscal year 2015 we narrowed down the target by studying possibility based on the countermeasure plan in the last fiscal year and made a detailed consideration of the system.</p> <p>The detailed systems are “Automatic time extension system of pedestrian green light detecting people with mobility constraints by sensor” and “people with mobility constraints assist system which provides traffic signal status through smartphone,” etc.</p>	
Future plan	
<ul style="list-style-type: none">• Survey of walking speed of people with mobility constraints in order to ensure the appropriate time of green light for pedestrian,• Study and validation of traffic signal control method to let people with mobility constraints cross safely, and system definition such as installation position or specifications of sensor,• Technical evaluation in field to achieve service with mobile phone (ex; accuracy of position detection, communication).	