

T-Engine Forum Conducts Verification Experiments for an “Integrated Food Traceability System Using Ubiquitous ID Technology”

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T-Engine Forum

<http://www.t-engine.org/>

The T-Engine Forum (Location: Shinagawa, Tokyo; Current number of member companies: 412; Chairman: Ken Sakamura, University of Tokyo Professor), in order to achieve its goal of realizing a ubiquitous computing society, has been conducting research and development of Ubiquitous ID technology that enables automatic recognition of physical objects and locations and provides various services to utilize the information attached to those physical objects. From FY2004, in cooperation with MITSUKOSHI, LTD (Location: Chuo, Tokyo; President: Taneo Nakamura), KEIKYU STORE Corporation (Location: Ohta, Tokyo; President: Minoru Terui) and others, integrated food traceability system verification experiments using the Ubiquitous ID technology promoted by this Forum will be conducted as a part of the “2004 Food Traceability Development Activities” of the Ministry of Agriculture, Forestry and Fisheries of Japan.

Last year, the T-Engine Forum conducted “Produce Traceability System Verification Experiments*¹” (the 2003 Food Traceability Development Activities” of the Ministry of Agriculture, Forestry and Fisheries of Japan) using radishes and cabbages. Based on last year’s results, this year’s verification experiments will be conducted on a larger scale with a view to the practical application of traceability systems. In these experiments, not only vegetables, but also various types of food including fruit, pork, processed food will be used. Also, participants will be able to record and refer to traceability information in each phase from production to distribution, sales and consumption.

From a technological perspective, we will build a low-cost system and work towards practical application by incorporating existing barcodes as well as state-of-the-art, extremely small RFID and Ubiquitous Communicator portable terminals (using Ubiquitous ID technology) into the systems. By achieving this, we would like to actively provide support to enable consumers to eat safe food without worry, to enable producers to produce safe and high quality food, and to deliver their thoughts about their products to consumers. Experiments on recording information at the production site will be conducted from this autumn and in-store verification experiments will be conducted this winter.

Furthermore, in this fiscal year, in cooperation with the “Verification of food traceability

systems that support various items and distribution patterns in conjunction with Ubiquitous ID” Project conducted by the Traceability System Association for Agricultural and Marine Product Industry, we will be working on the standardization of traceability systems utilizing the open and integrated structure of Ubiquitous ID Centers.

◆ **Primary Organization**

- T-Engine Forum, Ubiquitous ID Center (Location: Shinagawa, Tokyo; Chairman: Ken Sakamura)

◆ **Organizations Scheduled to Participate (In alphabetical order)**

- KEIKYU STORE Corporation (Location: Ohta, Tokyo; President: Minoru Terui)
- Meat Companion Co., Ltd. (Location: Tachikawa, Tokyo; President: Tokuji Abe)
- MITSUKOSHI, LTD (Location: Chuo, Tokyo; President: Taneo Nakamura)
- NIKO Corporation Ltd. (Location: Chuo, Tokyo; President: Shoichi Ohno)
- Sakamura Laboratory, Graduate School of Interdisciplinary Information Studies, The University of Tokyo (Location: Bunkyo, Tokyo)
- Sun Fruit Corporation Ltd. (Location: Chiyoda, Tokyo, President: Seiichi Ishizuka)
- YRP Ubiquitous Networking Laboratory (Location: Shinagawa, Tokyo; Director: Ken Sakamura)

*1) **Produce Traceability System Verification Experiments*1(FY2003)**

<http://www.t-engine.org/news/pdf/TEP040106.pdf>

◆ **Inquires regarding this issue**

T-Engine Forum

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Supplement

Produce Traceability System using the Ubiquitous ID Technology (FY 2003)