

Country Report from Japan

Launched QZS-1 of Japan's QZSS

- 1st step for "Geo-Intelligence" Infra-

**The 50th CGSIC, 20 Sept, 2010
at Portland, Oregon**

**Hiroshi Nishiguchi
Japan GPS Council**

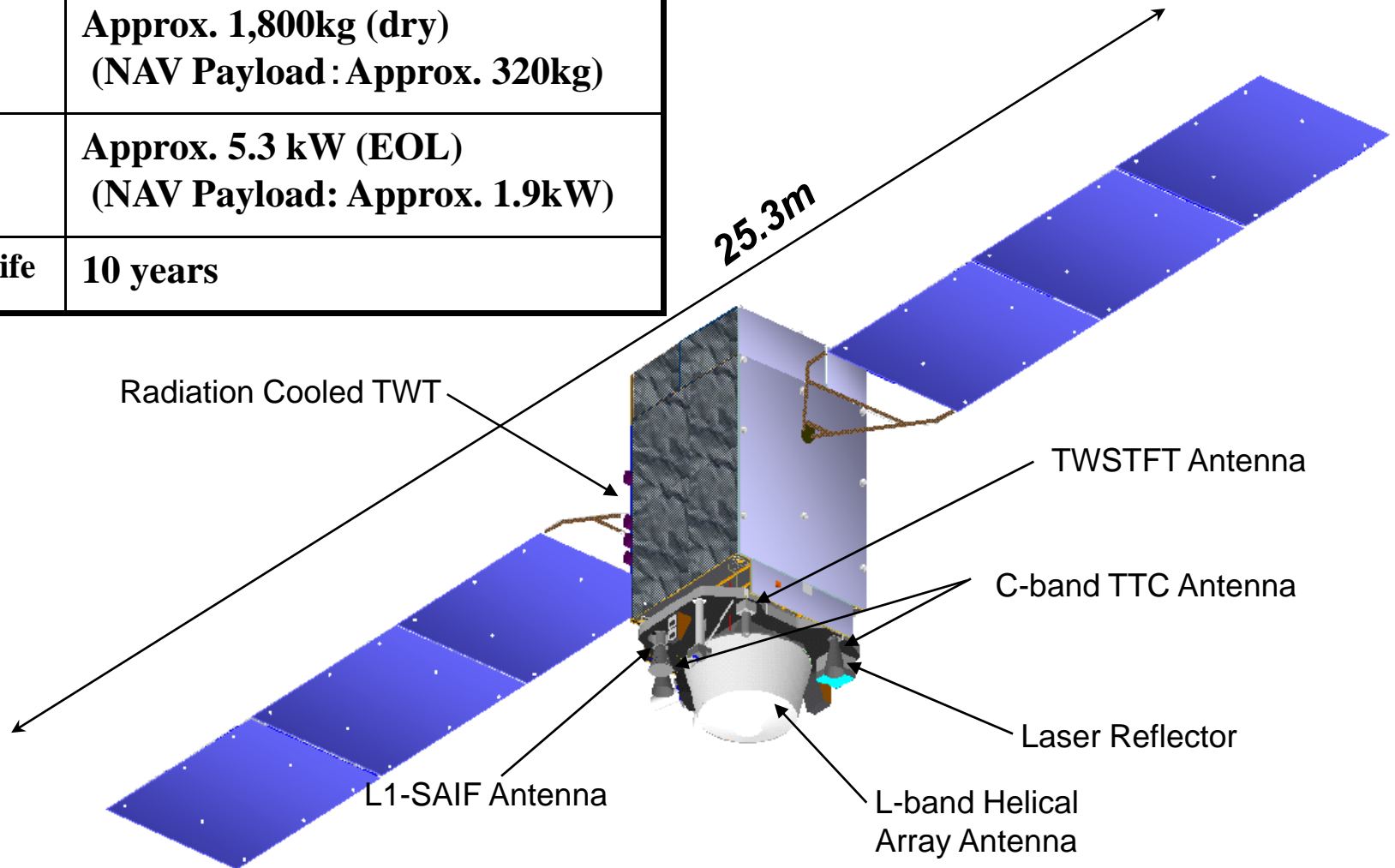
QZS-1 was launched on 11 September successfully.



I. System Description

Space Segment - QZS-1 -

Mass	Approx. 1,800kg (dry) (NAV Payload: Approx. 320kg)
Power	Approx. 5.3 kW (EOL) (NAV Payload: Approx. 1.9kW)
Design Life	10 years



Satellite Configuration on Orbit

I. System Description

Planned Signals

	Frequency	Notes
L1-C/A	1575.42MHz	<ul style="list-style-type: none">• Complete compatibility and interoperability with existing and future modernized GPS signals
L1C		
L2C	1227.6MHz	<ul style="list-style-type: none">• Differential Correction data, Integrity flag, Ionospheric correction• Almanac & Health for other GNSS SVs
L5	1176.45MHz	
<i>L1-SAIF*</i>	1575.42MHz	<ul style="list-style-type: none">• Compatibility with GPS-SBAS
<i>LEX</i>	1278.75MHz	<ul style="list-style-type: none">• Experimental Signal with higher data rate message (2Kbps)• Compatibility & interoperability with Galileo E6 signal

* L1-SAIF: L1-Submeter-class Augmentation with Integrity Function

IOV and Utilization Demo

(1) ~the end of 2010 : In-Orbit-Validation

(2) ~ Summer of 2011 : Utilization Demonstration

101 of companies will participate and 58 of demo programs will be implemented.

Next Step for QZS-2 & -3

(1) Establishment of The Joint Project Team and WG

For securing budget

Who is to be in charge of managing and operation

(2) The project team is composed of the parliament

Officials

Integrated coordination among main 9 Ministries



G-spatial EXPO “いつでもどこ情報”で暮らしが変わる、未来を創る

G空間EXPO

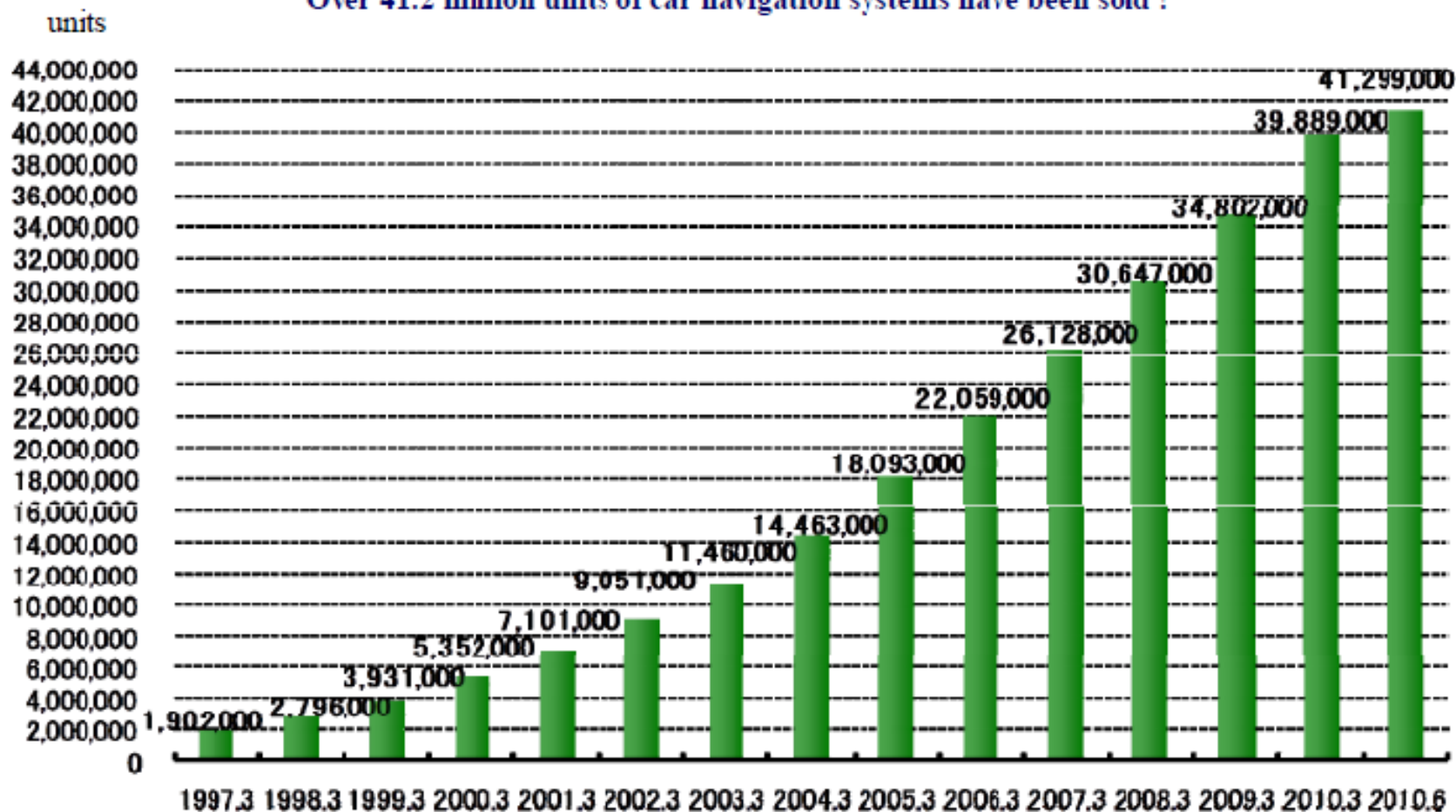
9/19日 20月 21火 会場：パシフィコ横浜
【開催時間】10:00～17:00

カーナビの出荷台数累計

The number of navigation system units in market (JEITA)

2010年6月末現在、カーナビゲーションの出荷台数は4129万台を突破！

Over 41.2 million units of car navigation systems have been sold !



(社)電子情報技術産業協会(JEITA)データより国土交通省作成

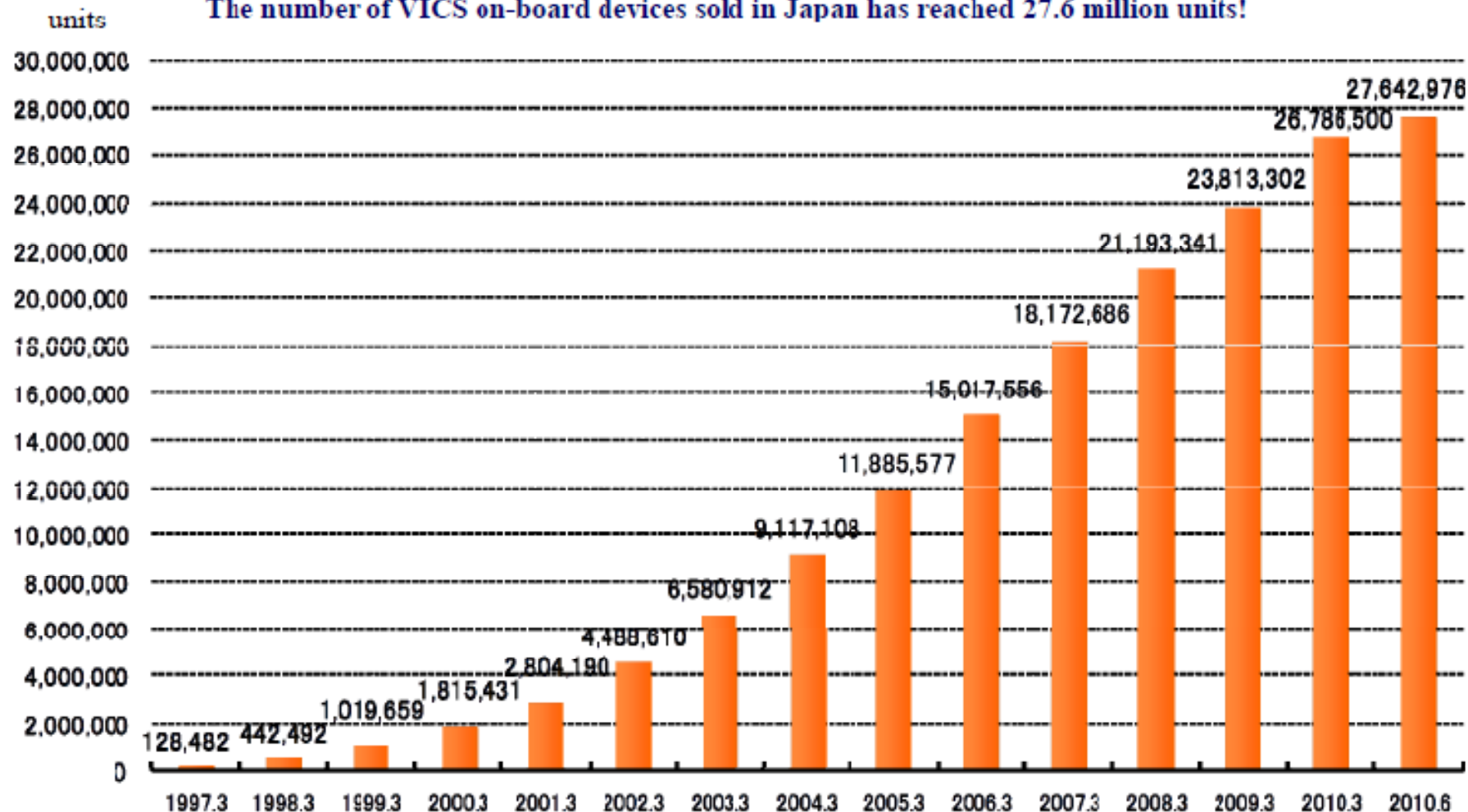
(2010.8.3)

VICSユニットの出荷台数累計

The number of VICS units in market (VICS Center)

2010年6月末現在、VICSユニットの出荷台数は2764万台を突破！

The number of VICS on-board devices sold in Japan has reached 27.6 million units!



(財)道路交通情報通信システムセンター(VICSセンター)データより国土交通省作成

(2010.8.3)

Geospatial Information Society Based on Satellite Positioning

