

# Japan's Cutting-Edge Tech Surge: 2nm Chips, Quantum Deployments, and EV

Technology · Answer Key · 7 Questions

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**1. What nanometer process technology is Japan's Rapidus aiming to mass produce by fiscal year 2027, backed by significant government investment?**

- A) 7-nanometer (7nm)
- B) 5-nanometer (5nm)
- C) 2-nanometer (2nm)**
- D) 1.4-nanometer (1.4nm)

**2. Which company, supported by Toyota Tsusho, recently deployed its PT Series photonic quantum computer to a major enterprise customer, marking the first such system in a live enterprise environment in Japan?**

- A) IBM Quantum
- B) Google Quantum AI
- C) ORCA Computing**
- D) Fujitsu Quantum

**3. NTT DOCOMO and NEC recently demonstrated stable, high-capacity millimeter-wave communications in the 40 GHz band for what specific application, a technology expected for 6G?**

- A) Satellite internet for rural areas
- B) Underwater drone communication
- C) Multiple high-speed vehicles**
- D) Smart city traffic management systems

**4. In June 2026, Japan approved Version 2.0 of its guideline for government procurement and utilization of generative AI. Which body formally adopted the 2026 IP Strategic Program on June 12, 2026, focusing on generative AI issues?**

- A) Ministry of Economy, Trade and Industry (METI)
- B) Cabinet Office's AI Strategic Headquarters
- C) Intellectual Property Strategy Headquarters**
- D) Japan Patent Office (JPO)

**5. XELA Robotics, a Tokyo-based startup, specializes in developing what type of system to enable robots to handle objects with greater dexterity?**

- A) Advanced visual recognition for navigation
- B) Proprioceptive feedback for balance
- C) Tactile sensing systems for touch**
- D) Lidar-based spatial mapping

**6. In June 2026, SoftBank Group launched a new service in collaboration with OpenAI aimed at what critical area for Japan's top 3,000 infrastructure companies?**

- A) Cloud computing migration
- B) Supply chain optimization
- C) Cyberattack protection**
- D) Generative AI content creation

**7. Fujitsu Limited and IBM Japan, Ltd. announced an accelerated collaboration on June 17, 2026. What is the primary focus of this joint effort?**

- A) Developing next-generation quantum algorithms
- B) Manufacturing advanced semiconductor components
- C) Modernizing enterprise business systems**
- D) Deploying large-scale AI data centers