

2022 WIOTRL Top 500

Declaration and Implementation Measures

1. The Purpose and Significance of 2022 WIOTRL

The WIOTRL Top 500 aims to encourage IoT companies and institutions from all over the world to promote the innovation and development of internet of things, support network construction and new IoT economy development, and facilitate the development and application of global IoT and industry systems. Meanwhile, it aims to boost the transformation and upgrading of the Internet of Things, building a global market for the new IoT economy and commend new architectures, systems, integrated intelligent products, and solutions featuring IoT. WIOTC serves the purpose of strengthening the application and development of the world's IoT industry, forming a new growth point for world economy, benefitting all mankind from intelligent lifestyle, work, and production, and contributing to the United Nations 2030 Sustainable Development Goals and Millennium Development Goals.

2. 2022 WIOTRL Target Participants

- 1). Enterprises and institutions for the development and application of IoT structure system and industrial integrated system and for the innovation of architectural system of world internet of things;
- 2). Renowned enterprises and institutions focusing upon IoT soft and hardware products, IoT solutions, integrated system, and chip manufacturing and IoT industrial chain;
- 3). Enterprises and Institutions specializing in the development and application of IoT-related perception systems (e.g. information system integration and equipment), cloud platforms (cloud computing, quantum computing, cloud services, cloud storage, etc.), transmission systems (5G

communication technology, optical fiber basic networks, microwave base stations, satellite-to-earth transmission, quantum transmission, etc.), intelligent terminal (PC, mobile phone, application terminal software and hardware products and technical service platform, etc.), artificial intelligence, robotics, and IoT blockchain, etc;

4). Large traditional enterprises, modern service industry enterprises and demonstration zones (bases) boasting strong potential and experiencing transformation and upgradation toward the Internet of Things;

5). Enterprises and institutions with innovative IoT technology, product, and solution capable of reducing structural cost and realizing sustainable development.

3. Basic Standards of 2022 WIORTL Top 500 Ranking

1). Enterprises and institutions that develop and apply world IoT systems and other industrial application systems (including 17 sectors related to industry, smart manufacturing, agriculture, logistics, healthcare, transportation, energy and environmental protection, chemical industry, public affairs, smart life, culture and tourism, finance, and modern service industry) with an output of over 100 million U.S. dollars;

2). Enterprises and Institutions that develop and apply perception, cloud computing, big data, artificial intelligence, and integrated system (including chip-manufacturing enterprises) with a comprehensive output of over ten million U.S. dollars.

3). Enterprises and Institutions that have strong potential of transformation and upgradation in the area of 5G IoT equipment manufacturing, network construction, and services with an output of over one billion U.S. dollars.

4). Enterprises and institutions involved in the innovation of international IoT

architecture, software and hardware products, technology, and solutions with cutting-edge characteristics, featuring low cost, convenience operation, and strong market adaptability;

5). Enterprises and institutions that meet the international “Six Domain Model” standard and possess basic elements of NB-IOT, and LORA standards with an output of over one billion U.S. dollars;

6). Enterprises and institutions engaged in IoT industrial bases (parks) and development zones with an output of over US\$50 billion.

4. WIOTRL Instructions

1). The selection and ranking shall be conducted fairly, impartially, and openly.

2). The ranking review committee consists of international organizations, commercial associations, standards organizations/institutions, experts, scholars, and industry representatives from more than 20 countries including China, the United States, Japan, Germany, Russia, the European Union, and France which have the most IoT application practices, strong high-end R&D capabilities, and the latest Internet of Things knowledge.

3). Ranking review process and schedule:

application and registration (before April 2022) → pre-selection (May 2022)
→selected rankings (middle June 2022) → public announcement to solicit social opinions (end of June 2022) → official announcement (July)

5. 2022 WIOTRL Grading Criteria

1). Development of IoT economy, R&D of 5G network technology and equipment, construction and application of 5G network (20 points).

2). IoT industry/product scale and output (market value and turnover, 30

points).

3). IoT sustainable development and leadership (20 points).

4). IoT Brand awareness and influence (15 points).

5). Innovativeness and exemplariness of IoT technology, main architecture, and solutions (intellectual property/patent, 15 points).

World Internet of Things Convention

World IoT Ranking List Working Committee

February 28, 2022