

Specification reform of smart meter

		Old	New
Basic concept		A minimum function which was defined in the study group by the government (Proprietary specification)	Securing 3 basis; external interconnectivity, technical expandability, cost reduction
System	System configuration	Proprietary development	Comply with international standard (CIM)
	Data format	Proprietary specification	Adoption of international standard (IEC)
Communication	Wide area	Mainly using TEPCO's optical fiber network	Combination of "right-technology-in-the-right-place" manner including other carriers' infrastructure
	Route A	Mainly adopting RF mesh network	Combination of 3 methods (RF mesh network, wireless star network, PLC) in "right-technology-in-the-right-place" manner
	Route B (Installation method)	Replacement according to the consumers' requests	Installation to all meters from the first
	Communication connectivity rate	Not required at the first, it shall be 99% not later than completion of distribution to all buildings	Ensure 95% or more from the service-started
	Meter reading by hand-held terminal	Conduct a substantial scale for a long term until communication connection	Extremely restricted , according to communication connectivity state
Meter	Structure	Separated type only	Not exclude integrated type
	Bid method	Selective Bidding by 4 domestic companies	International Competitive Bidding (We will start ICB from this autumn)
Other	New service	To be studied in the next step	Reflect the function for new services
	Introduction schedule	Install smart meters for 10 years in accordance with expiration of inspection certificate	Install smart meters to move up deployment as much as possible (to be discussed)