


Registration No.	Number 00105		
Registration Date	September 11, 2012	Registration Category	Category 1

Name (Model, etc.)	D10 Electronic Switching System		
Location	Musashino City, Tokyo Metropolis		
	NTT History Center of Technologies		
Owner (Custodian)	NTT Information Network Laboratory Group		
Manufacturer (Company)	FUJITSU LIMITED		
Year Manufactured	1972		
Reason For Selection	<p>This was the first machine in the world capable of connecting calls between car phones and calls between car phones and conventional landline numbers, as well as recording vehicle position and calculating billing charges for calls made from car phones. It was adapted from the D10 model electronic switching system for car phones. Although an automated electronic switching system with stored program control, it was also known as a semiconductor exchange due to the use of compact crossbar switches on speech channels. With its compact and economical design, this machine paved the way for the introduction of more economical electronic switching systems and helped to improve service efficiency.</p> <p>By enabling electronic switching with car phones and other mobile devices for the first time, this system played a critical role in achieving the multi-faceted communication network ideal of multiple layers of non-voice services operating over the standard telephone network. The approximately 950 systems supplied for commercial operation revolutionized communication services at the time, before being eventually replaced by the next generation of digital exchanges.</p>		
Registration Standard	1 - A		

Open/Closed to Public	Open to Public		
Photo			
Other useful information			