Reference: Example of Applications of Superconducting Sensors and Detectors, and Graphic Symbols Representing Superconducting Electronics

1) Example of applications of superconducting sensors and detectors

This picture shows an inspection of a subject using a brain magnetometer to which a superconducting quantum interference device (SQUID), an ultrahigh sensitivity magnetic sensor, is installed. This equipment is able to detect the weak magnetic field from a brain and examine precise brain activities.

2) Graphical symbols representing superconducting electronics

a) Normal-superconducting boundary (IEC 60417-6370)
   This symbol represents a boundary between a normal conducting line on the left and a superconducting line on the right.

b) Josephson junction (IEC 60417-6371)
   This symbol represents a structure in which an ultra-thin normal conductor or an insulator is bound by two superconductors.

These are the graphical symbols listed in the IEC 60417 database in September 2016, as the first symbols so listed in the field of superconducting electronics.