



For IEC use

3/610/DC
DOCUMENT FOR COMMENT
2002-07-05

INTERNATIONAL ELECTROTECHNICAL COMMISSION

Technical Committee No. 3: Information structures, documentation and graphical symbols

Proposal for withdrawal of symbols for electron tubes and electrochemical devices

At the meeting of TC3 in Oslo the Secretary was given the task to prepare a proposal for a more limited withdrawal of symbols for electron tubes and electrochemical devices, following the discussion on the Change Request CR00067 for the IEC 60617 database, (based on the Task II proposal to withdraw all of them). Please refer to document 3/588/RM item 9.

The following proposal tries to maintain the basic symbols, the preferred form only if any, a few examples and the symbols applied in those.

The National Committees are invited to comment on the document before 2002-09-13.

1 Proposal for withdrawal

The following table lists all the symbols contained in CR00067. A strike-through of the name indicates that the symbols is proposed to be withdrawn.

Symbol ID	Old number	Name
S00693	05-07-01	Gas-filled envelope
S00694	05-07-02	Envelope with external screen (shield)
S00695	05-07-03	Envelope, conductive coating on internal surface
S00696	05-07-04	Hot cathode, indirectly heated /Preferred form
S00697	05-07-05	Hot cathode, indirectly heated /Other form
S00698	05-07-06	Hot cathode, directly heated; Heater for hot cathode, indirectly heated; Heater for thermocouple /Preferred form
S00699	05-07-07	Hot cathode, directly heated; Heater for hot cathode, indirectly heated; Heater for thermocouple /Other form
S00700	05-07-08	Photoelectric cathode
S00701	05-07-09	Cold cathode; Ionically heated cathode
S00702	05-07-10	Composite electrode
S00703	05-07-11	Anode; Plate; Collector (microwave devices)
S00704	05-07-12	Fluorescent target
S00705	05-07-13	Grid
S00706	05-07-14	Ion diffusion barrier
S00707	05-08-01	Lateral deflecting electrodes /Preferred form
S00708	05-08-02	Lateral deflecting electrodes /Other form
S00709	05-08-03	Intensity modulating electrode
S00710	05-08-04	Focusing electrode with aperture; Beam-forming plate
S00711	05-08-05	Beam-splitting electrode
S00712	05-08-06	Cylindrical focusing electrode; Drift space electrode; Electronic lens element
S00713	05-08-07	Cylindrical focusing electrode with grid
S00714	05-08-08	Multi-aperture electrode
S00715	05-08-09	Quantizing electrode; Sampling electrode
S00716	05-08-10	Radial deflecting electrodes
S00717	05-08-11	Grid with secondary emission
S00718	05-08-12	Anode with secondary emission; Dynode
S00719	05-08-13	Photo-emissive electrode
S00720	05-08-14	Storage electrode
S00721	05-08-15	Photo-emissive storage electrode
S00722	05-08-16	Storage electrode with secondary emission in the direction of the arrow
S00723	05-08-17	Photo-conductive storage electrode

Symbol ID	Old number	Name
S00724	05-09-01	Electron gun assembly /Simplified form
S00725	05-09-02	Reflector
S00726	05-09-03	Non-emitting sole for open slow-wave structure
S00727	05-09-04	Non-emitting sole for closed slow-wave structure
S00728	05-09-05	Emitting sole
S00729	05-09-06	Open slow-wave structure
S00730	05-09-07	Single electrode for electrostatic focusing
S00731	05-09-08	Closed slow-wave structure
S00732	05-09-09	Cavity resonator forming an integral part of the tube
S00733	05-09-10	Cavity resonator, partly or wholly external to the tube
S00734	05-09-11	Permanent magnet producing a transverse field
S00735	05-09-12	Electromagnet producing a transverse field
S00736	05-09-13	Tetrapole
S00737	05-09-14	Tetrapole with loop coupler /Simplified form
S00738	05-09-15	Slow wave coupler
S00739	05-09-16	Helical coupler
S00740	05-10-01	X-ray tube anode
S00741	05-10-02	Starting electrode; Trigger electrode; Igniting electrode
S00742	05-10-03	Pool cathode
S00743	05-10-04	Insulated pool cathode
S00744	05-11-01	Triode, with directly heated cathode
S00745	05-11-02	Triode, gasfilled with indirectly heated cathode; Thyatron
S00746	05-11-03	Pentode
S00747	05-11-04	Triode hexode
S00748	05-11-05	Tuning indicator
S00749	05-12-01	Cathode-ray tube with electromagnetic deviation
S00750	05-12-02	Double-beam cathode-ray tube, split-beam type
S00751	05-13-01	Reflex klystron
S00752	05-13-02	Reflex klystron /Simplified form
S00753	05-13-03	Reflex klystron
S00754	05-13-04	Reflex klystron /Simplified form
S00755	05-13-05	O-type forward travelling wave amplifier tube
S00756	05-13-06	O-type forward travelling wave amplifier tube
S00757	05-13-07	O-type forward travelling wave amplifier tube
S00758	05-13-08	O-type forward travelling wave amplifier tube /Simplified form
S00759	05-13-09	M-type forward travelling wave amplifier tube
S00760	05-13-10	M-type forward travelling wave amplifier tube /Simplified form
S00761	05-13-11	M-type backward travelling wave amplifier tube
S00762	05-13-12	M-type backward travelling wave amplifier tube /Simplified form
S00763	05-13-13	M-type backward travelling wave oscillator tube
S00764	05-13-14	M-type backward travelling wave oscillator tube /Simplified form
S00765	05-13-15	Magnetron oscillator tube
S00766	05-13-16	Magnetron oscillator tube /Simplified form
S00767	05-13-17	Backward travelling wave oscillator tube; Voltage tunable magnetron
S00768	05-13-18	Backward travelling wave oscillator tube; Voltage tunable magnetron /Simplified form
S00769	05-14-01	Cold-cathode tube, gas-filled
S00770	05-14-02	Voltage stabilizer, gas-filled, stabilizing several voltages
S00771	05-14-03	Trigger tube with ionically heated cathode
S00772	05-14-04	Cold-cathode gas-filled tube, symmetrical
S00773	05-14-05	Character display tube, multi cold-cathode gas-filled
S00774	05-14-06	Counting tube
S00775	05-14-07	Counting tube /Simplified form
S00776	05-14-08	X-ray tube with directly heated cathode
S00777	05-14-09	Phototube; Photoemissive diode
S00778	05-14-10	Ignitron
S00779	05-14-11	Rectifier with several main anodes
S00780	05-14-12	Transmit/receive tube; T.R. tube
S00781	05-15-01	Ionization chamber
S00782	05-15-02	Ionization chamber with grid
S00783	05-15-03	Ionization chamber with guard ring
S00784	05-15-04	Ionization chamber, compensated type
S00785	05-15-05	Detector, semiconductor type
S00786	05-15-06	Scintillator detector
S00787	05-15-07	Cerenkov detector
S00788	05-15-08	Thermoluminescence detector
S00789	05-15-09	Faraday cup
S00790	05-15-10	Counter tube
S00791	05-15-11	Counter tube with guard ring
S00792	05-16-01	Coulomb accumulator; Electrochemical step-function device
S00793	05-16-02	Solion diode
S00794	05-16-03	Solion tetrode
S00795	05-16-04	Conductivity cell

2 Commenting

The National Committees are invited to comment on the proposals above and suggest alterations.

The responses should be sent by e-mail, **before 2002-09-15**, to:

Mr. P.-Å. Svensson, Secretary of IEC TC3
e-mail: per-ake.svensson@se.abb.com

with copy to:

Mr. Jack Sheldon, IEC Central Office
e-mail: jrs@iec.ch

For ease of compilation, please use "Comments form" (form 08ce) for comments.

3 Continued procedure

After commenting by the National Committees and possible modification, a new Change Request is going to be issued for validation by the Validation Team.
