Description of implementation of C00189

Q1 and Q8 implemented for part 12: A00269 added and the keywords ”binary logic elements/opérateurs logiques binaires” added to basic, general symbols and ”binary logic circuits/circuits logiques binaires” to all examples (with type numbers and numbered pins/terminals)

Q1 and Q8/Q6 implemented for part 13: A00352 added and the keywords ”analogue elemnts/opérateurs analogiques” added to basic, general symbols and ”analogue circuits/circuits analogiques” to all examples (with type numbers and numbered pins/terminals)

Keywords: ”supply circuits/circuits d’alimentation” added to **supply related** symbols, ”arithmethic circuits/circuits arithmetiques” added to numeric symbols.

Q2: The following list has been sent to IEC/CO for inclusion in the General Description section of the database.
It is based on the ”normal” text for normative references, but I have modified it, because it depends very much on which symbols a user wants, if the list is applicable or not.

Normative references

The following documents are referenced in the database and indispensable for the application of the symbols to which these references apply. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60027 (all parts)	Letter symbols to be used in electrical technology *(partly being replaced by ISO/IEC 8000)*
IEC 61082-1	Preparation of documents used in electrotechnology - Part 1: Rules
IEC 61286	Information technology - Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange
IEC 81714-2	Design of graphical symbols for use in the technical documentation of products - Part 2: Specification for graphical symbols in a computer sensible form, including graphical symbols for a reference library, and requirements for their interchange
IEC/TR 61352	Mnemonics and symbols for integrated circuits
IEC/TR 61734	Application of symbols for binary logic and analogue elements
ISO 31 (all parts)	Quantities and units *(being replaced by ISO/IEC 80000)*
ISO 81714-1	Design of graphical symbols for use in the technical documentation of products - Part 1: Basic rules
ISO/IEC 10646	Information technology -- Universal Multiple-Octet Coded Character Set (UCS)

Q3: Not implemented as suggested.

I have checked all the sets of symbols associated to proposed ”application notes” of the type ”Examples of …”.

These sets of symbols can now be found via the keywords as specified below. In some cases I have added keywords on symbols for consistency with the suggestions.

A00X05 ”Examples of combinative elements”: all suggested symbols are found via the keyword ”combinative circuits”. The keyword ”combinative elements” finds all basic symbols relevant in that context.

A00X06 ”Examples of elements with hysteresis”: all suggested symbols are found via the keyword ”hysteresis” incl. the basic symbols

A00X09 ”Examples of code converters”: all suggested symbols are found via the keyword ”code converters” incl. the basic symbol

A00X10 ”Examples of signal-level converters”: all suggested symbols are found via ”signal-level converters”

A00X11 ”Examples of multiplexers and demultiplexers”: all suggested symbols are found either via ”multiplexers” or ”demultiplexers” (or both ways in the case of double function) including all basic symbols.

A00X12 ”Examples of arithmetic elements”: all suggested symbols found via the keyword ”arithmetic circuits” plus a number of other relevant symbols. ”arithmetic elements” gives a number of relevant basic symbols.

A00X13 ”Examples of bistable elements”: all suggested symbols (which really were examples) are found via the keyword ”bistable circuits” . ”Bistable elements” gives basic symbols.

A00X14 ”Examples of monostable elements”: all suggestede symbols are found via ”monostable circuits”. Basic symbols are found via ”monostable elements”.

A00X15 ”Examples of astable elements”: all suggested symbols are found via ”astable circuits”. Basic symbols are found via ”astable elements”

A00X16 ”Examples of shift registers and counters”: all suggested symbols are found via either ”regusters” or ”counters” plus a number of other symbols.

A00X17 ”Examples of memories”: all suggested symbols are found via the keyword ”memories” plus some other relevant symbols.

A00X18 ”Examples of display elements”: all suggested symbols are found via ”display elements”

A00X19 ”Examples of complex elements”: all suggested symbols are found via the keyword ”complex circuits”. ”Complex elements” gives the basic symbols.
A00356 contains the text of the suggested application note and is referenced from the actual symbols.

A00X22 ”Examples of elements performing mathematical functions”: all suggested symbols are found via ”mathematical function circuits”

A00X23 ”Examples of amplifiers”: all suggested symbols are found via ”amplifiers” including a lot of other relevant symbols.

A00X24 ”Examples of converters”: all suggested symbols are found via ”converters” including a lot of other symbols.

A00X25 ”Examples of voltage regulators”: all suggested symbols are found including a simpler one.

A00X26 ”Examples of comparators”: all suggested symbols are found via ”comparators” including some more.

A00X27 ”Examples of complex function elements”: S01803 added to ”compex function circuits”

A00X28 ”Examples of electronic switches”: S01804 found via ”switches.

Q4: Implemented by A00354.

Q5: Implemented by A00355.

Q6: Implemented by A00352.

Q7: Implemented by A00353. Since a reference is made to A00321 in this application note, this is also added to the symbols.

Q8: Implemented, see above.