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> ::= < > { < > }
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> ::= "A" | "B" | ... | "Y" | "Z" | " " | " " | ... | " " | " "
| "a" | "b" | ... | "y" | "z" | " " | " " | ... | " " | " "
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> ::= < > { < > }
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> ::= "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" |
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## **VALIDATION OF THE DESIGN DOCUMENTATION BASED ON DOMAIN-SPECIFIC LANGUAGE**

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In paper the approach to development of tools for design documentation validation is considered. These tools allow to simplify the process of checking a correspondence of the design document to standard, on which basis it is created. To describe the content of design document the domain-specific language is developed, this language based on the extended Backus-Naur form. In paper the syntax of domain-specific language is described. As an example, the product requirements document description is presented. The process of user interaction with the developed system is considered. The created system can be used as for initial checking of the design documentation in IT-company, and for students training.

**Key words:** design documentation, validation, domain-specific language, Backus-Naur form, documents execution.