

# ISO 26262-6:2011-11 (E)

## Road vehicles - Functional safety - Part 6: Product development at the software level

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	2
3	Terms, definitions and abbreviated terms .....	2
4	Requirements for compliance .....	2
4.1	General requirements .....	2
4.2	Interpretations of tables .....	2
4.3	ASIL-dependent requirements and recommendations .....	3
5	Initiation of product development at the software level .....	3
5.1	Objectives .....	3
5.2	General .....	3
5.3	Inputs to this clause .....	4
5.4	Requirements and recommendations .....	4
5.5	Work products .....	6
6	Specification of software safety requirements .....	6
6.1	Objectives .....	6
6.2	General .....	7
6.3	Inputs to this clause .....	7
6.4	Requirements and recommendations .....	7
6.5	Work products .....	9
7	Software architectural design .....	9
7.1	Objectives .....	9
7.2	General .....	9
7.3	Inputs to this clause .....	9
7.4	Requirements and recommendations .....	10
7.5	Work products .....	15
8	Software unit design and implementation .....	15
8.1	Objectives .....	15
8.2	General .....	15
8.3	Inputs to this clause .....	16
8.4	Requirements and recommendations .....	16
8.5	Work products .....	18
9	Software unit testing .....	19
9.1	Objectives .....	19
9.2	General .....	19
9.3	Inputs to this clause .....	19
9.4	Requirements and recommendations .....	19
9.5	Work products .....	21
10	Software integration and testing .....	22
10.1	Objectives .....	22

<b>10.2</b>	<b>General</b> .....	<b>22</b>
<b>10.3</b>	<b>Inputs to this clause</b> .....	<b>22</b>
<b>10.4</b>	<b>Requirements and recommendations</b> .....	<b>23</b>
<b>10.5</b>	<b>Work products</b> .....	<b>25</b>
<b>11</b>	<b>Verification of software safety requirements</b> .....	<b>25</b>
<b>11.1</b>	<b>Objectives</b> .....	<b>25</b>
<b>11.2</b>	<b>General</b> .....	<b>25</b>
<b>11.3</b>	<b>Inputs to this clause</b> .....	<b>25</b>
<b>11.4</b>	<b>Requirements and recommendations</b> .....	<b>26</b>
<b>11.5</b>	<b>Work products</b> .....	<b>27</b>
<b>Annex A (informative)</b>	<b>Overview of and workflow of management of product development at the software level</b> .....	<b>28</b>
<b>Annex B (informative)</b>	<b>Model-based development</b> .....	<b>31</b>
<b>Annex C (normative)</b>	<b>Software configuration</b> .....	<b>33</b>
<b>Annex D (informative)</b>	<b>Freedom from interference between software elements</b> .....	<b>38</b>
<b>Bibliography</b>	.....	<b>40</b>