#	Requirement	Standards Applied	Design Documentation	Qualification
EU N	MDR Annex I, Chapter I, #1			
1.	Devices shall achieve the performance intended by their manufacturer and shall be designed and manufactured in such a way that, during normal conditions of use, they are suitable for their intended purpose.			
2.	They shall be safe and effective and shall not compromise the clinical condition or the safety of patients, or the safety and health of users or, where applicable, other persons.			
3.	Any risks which may be associated with their use constitute acceptable risks when weighed against the benefits to the patient.			
4.	Risks are compatible with a high level of protection of health and safety, taking into account the generally acknowledged state of the art.			
EU N	MDR Annex I, Chapter I, #2			
5.	Reduce risks as far as possible means the reduction of risks as far as possible without adversely affecting the benefit-risk ratio.			
EUN	MDR Annex I, Chapter I, #3	I		
6.	Manufacturers shall establish, implement, document and maintain a risk management system.			

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7.	Risk management shall be understood as a			
	continuous iterative process throughout the entire			
	lifecycle of a device, requiring regular systematic			
	updating.			
8.	(a) risk management plan for each device			
9.	(b) identify and analyze the known and foreseeable			
	hazards associated with each device			
10.	(c) estimate and evaluate the risks associated with,			
	and occurring during, the intended use and during			
	reasonably foreseeable misuse			
11.	(d) eliminate or control the risks referred to in point			
	(c)			
12.	(e) evaluate the impact of information from the			
	production phase and, in particular, from the			
	post-market surveillance system, on hazards and			
	the frequency of occurrence thereof, on estimates			
	of their associated risks, as well as on the overall			
	risk, benefit-risk ratio and risk acceptability			
13.	(f) based on the evaluation of the impact of the			
	information referred to in point (e)			
EUI	/IDR Annex I, Chapter I, #4			
14.	Risk control measures adopted by manufacturers for			
	the design and manufacture of the devices shall			
	conform to safety principles			
15.	To reduce risks, Manufacturers shall manage risks so			
	that the residual risk associated with each hazard as			
	well as the overall residual risk is judged acceptable.			
16.	(a) eliminate or reduce risks as far as possible			
	through safe design and manufacture			

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17.	(b) where appropriate, take adequate protection			
	measures, including alarms if necessary, in			
	relation to risks that cannot be eliminated			
18.	(c) provide information for safety			
	(warnings/precautions/contra-indications) and,			
	where appropriate, training to users.			
19.	Manufacturers shall inform users of any residual risks			
EUN	MDR Annex I, Chapter I, #5			1
20.	In eliminating or reducing risks related to use error,			
	the manufacturer shall			
21.	(a) reduce as far as possible the risks related to the			
	ergonomic features of the device and the			
	environment in which the device is intended to be			
	used (design for patient safety)			
22.	(b) give consideration to the technical knowledge,			
	experience, education, training and use			
	environment, where applicable, and the medical			
	and physical conditions of intended users (design			
	for lay, professional, disabled or other users).			
EUN	MDR Annex I, Chapter I, #6			
23.	The characteristics and performance of a device shall			
	not be adversely affected to such a degree that the			
	health or safety of the patient or the user and, where			
	applicable, of other persons are compromised during			
	the lifetime of the device, as indicated by the			
	manufacturer, when the device is subjected to the			
	stresses which can occur during normal conditions of			
	use and has been properly maintained in accordance			
	with the manufacturer's instructions.			

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EU N	/IDR Annex I, Chapter I, #7			
24.	Devices shall be designed, manufactured and packaged in such a way that their characteristics and performance during their intended use are not adversely affected during transport and storage, for example, through fluctuations of temperature and humidity, taking account of the instructions and information provided by the manufacturer.			
EU N	MDR Annex I, Chapter I, #8			
25.	All known and foreseeable risks, and any undesirable side-effects, shall be minimized and be acceptable when weighed against the evaluated benefits to the patient and/or user arising from the achieved performance of the device during normal conditions of use.			
EU N	/IDR Annex I, Chapter I, #9			
26.	For the devices referred to in Annex XVI, the general safety requirements set out in Sections 1 and 8 shall be understood to mean that the device, when used under the conditions and for the purposes intended, does not present a risk at all or presents a risk that is no more than the maximum acceptable risk related to the product's use which is consistent with a high level of protection for the safety and health of persons.			
EU N	MDR Annex I, Chapter II, #10			

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27.	Chemical, physical and biological properties			
EU	MDR Annex I, Chapter II, #10.1			
28.	Devices shall be designed and manufactured in such a way as to ensure that the characteristics and performance requirements referred to in Chapter I are fulfilled.			
29.	 (a) the choice of materials and substances used, particularly as regards toxicity and, where relevant, flammability 			
30.	(b) the compatibility between the materials and substances used and biological tissues, cells and body fluids, taking account of the intended purpose of the device and, where relevant, absorption, distribution, metabolism and excretion			
31.	 (c) the compatibility between the different parts of a device which consists of more than one implantable part 			
32.	(d) the impact of processes on material properties			
33.	 (e) where appropriate, the results of biophysical or modelling research the validity of which has been demonstrated beforehand 			
34.	(f) the mechanical properties of the materials used, reflecting, where appropriate, matters such as strength, ductility, fracture resistance, wear resistance and fatigue resistance			
35.	(g) surface property			
36.	 (h) the confirmation that the device meets any defined chemical and/or physical specifications ADB Annex I. Chapter II. #10.2 			
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#	Requirement	Standards Applied	Design Documentation	Qualification
37.	Devices shall be designed, manufactured and			
	packaged in such a way as to minimize the risk posed			
	by contaminants and residues to patients, taking			
	account of the intended purpose of the device, and to			
	the persons involved in the transport, storage and			
	use of the devices. Particular attention shall be paid			
	to tissues exposed to those contaminants and			
	residues and to the duration and frequency of			
	exposure.			
EUN	MDR Annex I, Chapter II, #10.3			1
38.	Devices shall be designed and manufactured in such a			
	way that they can be used safely with the materials			
	and substances, including gases, with which they			
	enter into contact during their intended use; if the			
	devices are intended to administer medicinal			
	products they shall be designed and manufactured in			
	such a way as to be compatible with the medicinal			
	products concerned in accordance with the provisions			
	and restrictions governing those medicinal products			
	and that the performance of both the medicinal			
	products and of the devices is maintained in			
	accordance with their respective indications and			
	intended use.			
EUN	MDR Annex I, Chapter II, #10.4	1		
39.	Substances			
EUN	MDR Annex I, Chapter II, #10.4.1			

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40.	Design and manufacture of devices			
	Devices shall be designed and manufactured in such a			
	way as to reduce as far as possible the risks posed by			
	substances or particles, including wear debris,			
	degradation products and processing residues, that			
	may be released from the device.			
41.	Devices, or those parts thereof or those materials			
	used therein that: — are invasive and come into			
	direct contact with the human body,			
	— (re)administer medicines, body liquids or other			
	substances, including gases, to/from the body, or			
	— transport or store such medicines, body fluids or			
	substances, including gases, to be (re)administered to			
	the body,			
42.	shall only contain the following substances in a			
	concentration that is above 0,1 % weight by weight			
	(w/w) where justified pursuant to Section 10.4.2			
43.	(a) substances which are carcinogenic, mutagenic or			
	toxic to reproduction ('CMR'), of category 1A or			
	1B, in accordance with Part 3 of Annex VI to			
	Regulation (EC) No 1272/2008 of the European			
	Parliament and of the Council (1), or			

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44.	 (b) substances having endocrine-disrupting properties for which there is scientific evidence of probable serious effects to human health and which are identified either in accordance with the procedure set out in Article 59 of Regulation (EC) No 1907/2006 of the European Parliament and of the Council (2) or, once a delegated act has been adopted by the Commission pursuant to the first subparagraph of Article 5(3) of Regulation (EU) No 528/2012 of the European Parliament and the Council (3), in accordance with the criteria that are relevant to human health amongst the criteria established therein. 			
EUI	MDR Annex I, Chapter II, #10.4.2		1	1
45.	Justification regarding the presence of CMR and/or endocrine-disrupting substances The justification for the presence of such substances shall be based upon:			
46.	an analysis and estimation of potential patient or user exposure to the substance;			
47.	an analysis of possible alternative substances, materials or designs, including, where available, information about independent research, peer- reviewed studies, scientific opinions from relevant scientific committees and an analysis of the availability of such alternatives;			

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48.	argumentation as to why possible substance and/ or material substitutes, if available, or design changes, if feasible, are inappropriate in relation to maintaining the functionality, performance and the benefit-risk ratios of the product; including taking into account if the intended use of such devices includes treatment of children or treatment of pregnant or breastfeeding women or treatment of other patient groups considered particularly vulnerable to such substances and/or materials; and			
49.	where applicable and available, the latest relevant scientific committee guidelines in accordance with Sections 10.4.3. and 10.4.4.			

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