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## Priority electricity standards for the Republic of Moldova

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**Development of Standardisation Technical Committees**  
**in Electricity and Gas sectors**  
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# Compilation of the list of priority standards for power industry



List of priority electricity standards was based on the document of Energy Community Secretariat

GENERALLY APPLIED STANDARDS – POWER INDUSTRY – Reg. # MC2/4-2/21-05-07ECS.

The document was prepared in 2007 and contained a list of 190 standards and series of standards. After been updated the list comprised 319 standards.

# Standards adopted until 2013 and priority standards

		$\Sigma$	NS12	PR12	NS13	PR13
2	Delivery of equipment for power plants	39	0	24	1	38
3	Standard voltages, currents and frequencies	4	3	1	0	1
4	Measurements	9	7	2	1	1
5	Specifications and requirements for equipment	162	42	34	26	94
6	High voltage direct current	3	1	0	2	1
7	Integrated insulation	3	0	3	2	1
8	Electrical apparatus for explosive atmospheres	22	16	1	0	8
9	Safety of machinery	16	8	8	1	7
10	Exposure to electric current and protection against electric shock	3	2	1	1	0
11	Protection against lightning	6	1	5	0	5
12	Electromagnetic compatibility	34	14	12	5	15
13	Electricity from RES	18	0	0	11	7
	SUM	319	94	81	48	177



# Legend to the slide “Standards adopted until 2013 and priority standards”



$\Sigma$  is the number of priority standards in the list distributed by the directions

- NS12 is the number of national standards, adopted by the end of 2012
- PR12 means priority standards identified by Moldova in 2012
- NS13 is the number of national standards, adopted in 2013
- PR13 means priority standards identified in Moldova in 2013

# The results of standards adoption in 2014



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		$\Sigma$	NS $\Sigma$	PR13	NSPR13
2	Delivery of equipment for power plants	39	38	38	37
3	Standard voltages, currents and frequencies	4	4	1	1
4	Measurements	9	9	1	1
5	Specifications and requirements for equipment	162	151	94	77
6	High voltage direct current	3	3	2	2
7	Integrated insulation	3	0	1	1
8	Electrical apparatus for explosive atmospheres	22	21	6	5
9	Safety of machinery	16	16	7	7
10	Exposure to electric current and protection against electric shock	3	3	0	0
11	Protection against lightning	6	5	5	4
12	Electromagnetic compatibility	34	34	15	15
13	Electricity from RES	18	17	7	6
	SUM	319	298	177	156



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# Legend to the slide “The results of standards adoption by the end of 2014”



$\Sigma$  is the number of priority standards in the list distributed by the directions

NS $\Sigma$  is the number of national standards, adopted as of the end of 2014

PR13 means priority standards identified by Moldova in 2013

NSPR13 is the number of priority standards adopted as of the end of 2014, identified by Moldova in 2013

# An additional list of standards for specifications and requirements for electrical equipment



#	IEC	TC	Name
1	IEC 60376	TC 10	Specification of technical grade sulphur hexafluoride (SF6) for use in electrical equipment
2	IEC 60422	TC 10	Specifications for unused mineral insulating oils of transformers and switchgear
3	IEC 60567	TC 10	Oil-filled electrical equipment - Sampling of gases and analysis of free and dissolved gases



# An additional list of standards for specifications and requirements for electric equipment (2)



#	IEC	TC	Name
4	IEC 6081 5-1	TC 36	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles
5	IEC 6081 5-2	TC 36	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 2: Ceramic and glass insulators for a.c. systems
6	IEC 6146 2	TC 36	Composite hollow insulators - Pressurized and unpressurized insulators for use in electrical equipment with rated voltage greater than 1 000 V



# An additional list of standards for specifications and requirements for electric equipment (3)



#	IEC	TC	Name	
7	IEC 61869- 1	TC 38	Instrument transformers - Part 1: General requirements	
8	IEC 61936- 1	TC 99	Power installations exceeding 1 kV a.c. - Part 1: Common rules	
9	IEC 61936- 2	TC 99	Power installations exceeding 1 kV a.c. - Part 2: Specific requirements for the power transmission and distribution equipment	

# Further steps



- Adoption of new versions and new standards
- Familiarisation with draft standards and preparation of comments
- Identifying of groups of standards for the implementation
- Analysis of normative references

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# Thank you!



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