ISO 37160:2020-03 (E)

Smart communit y infrastructure - Electric power infrastructure - Measurement methods for the q uality of thermal power infrastructure and requirements for plant operations and management

Contents			Page
Fore	oreword		
Intr	oductio	n	v
1	Scop	e	1
2	-	native references	
3		ns and definitions	
4	Evaluation indicators for the QTPI during the operational phase		
	4.1	QTPI	 ع
	4.2	Elements of the QTPI	4
	1.2	4.2.1 General	
		4.2.2 Initial operation capability	
		4.2.3 Supply stability	
		4.2.4 Reliability (reliable operation and fast recovery)	
		4.2.5 Environmental and social considerations	
		4.2.6 Safety	5
		4.2.7 LCC	
		4.2.8 Performance indicators and evaluation of the QTPI	
	4.3	Evaluation indicators	
		4.3.1 Supply stability	
		4.3.2 Reliability (reliable operation and fast recovery): Forced outage rate (FOR)	
		4.3.3 Environmental and social considerations	
		4.3.4 Safety: number of injuries caused by industrial safety accidents	
		4.3.5 LCC (LCC considering the five other elements of QTPI)	10
5	Operation of thermal power infrastructure		11
	5.1	General	
	5.2	Measurement	12
	5.3	Data control	
	5.4	Analysis	
	5.5	Response to risks and opportunities	
	5.6	Operation control	
	5.7	Integrated management	14
Ann	ex A (in	formative) Example of an LCC formula considering all five other elements of QTPI	16
Bibl	iograpł	ny	18