



# Thresholds of the BSI-Kritis Ordinance



## FINANCIAL AND INSURANCE

Asset	Asset category	Threshold value	
CASH SUPPLY	Authorization system	15 000 000 transactions /year	
	System to connect to an authorization system from the perspective of the ATM operator	15 000 000 transactions /year	
	System for preparation by the ATM operator	15 000 000 transactions /year	
	System to connect to an interbank payment system (clearing and settlement)	18 000 000 transactions /year	
	Clearing system	18 000 000 transactions /year	
	Settlement system	18 000 000 transactions /year of the critical clearing systems connected to the settlement system	
	Account management system	15 000 000 service-related <sup>1</sup> transactions /year	
	Cash centre	93 500 000 cumulated processed banknotes /year	
	IT system for cash management	93 500 000 cumulated processed banknotes /year	
	CARD-BASED PAYMENTS	Authorization system	21 500 000 service-related transactions /year
System to connect to an authorization system from the perspective of the terminal operator		21 500 000 service-related transactions /year	
System for preparation by the POS terminal operator		21 500 000 transactions /year	
System to accept POS transaction data at the payee's payment service provider		21 500 000 transactions /year	
System to connect to an interbank payment system (clearing and settlement)		18 000 000 transactions /year	
Clearing system		18 000 000 transactions /year	
Settlement system		18 000 000 transactions /year of the corresponding critical clearing system	
Account management system		21 500 000 service-related transactions /year	
CONVENTIONAL PAYMENT TRANSACTIONS		System to accept a credit transfer or direct debit	100 000 000 transactions /year
		System to connect to an interbank payment system (clearing and settlement)	100 000 000 service-related transactions /year
	Clearing system	100 000 000 service-related transactions /year	
	Settlement system	100 000 000 transactions /year of the corresponding critical clearing system	
	Account management system	100 000 000 service-related transactions /year	
CLEARING AND SETTLEMENT OF SECURITIES AND DERIVATIVES TRANSACTIONS	System of a clearing house or central counterparty for settling securities and derivatives transactions	850 000 transactions /year	
	System for connecting to settle and record securities and derivatives transactions	850 000 transactions /year	
	Securities settlement system	850 000 transactions /year	
	Management system for securities accounts	850 000 transactions /year	
	System of a central securities depository	850 000 transactions /year	
INSURANCE SERVICES	System for preparing money orders	850 000 transactions /year	
	Contract management system (life insurance)	500 000 benefits paid /year	
	Contract management system (private health insurance)	2 000 000 benefits paid /year	
	Contract management system (composite)	500 000 claims /year	
	Benefits system (life insurance)	500 000 benefits paid /year	
	Benefits system (social insurance institutions of the statutory pension, accident and unemployment insurance)	500 000 benefits paid /year	
	Benefits system (private health insurance)	2 000 000 benefits paid /year	
	Damage system (composite)	500 000 claims /year	
	Disbursement system (life insurance)	500 000 benefits paid /year	
	Disbursement system (social insurance institutions of the statutory pension, accident and unemployment insurance)	500 000 benefits paid /year	
Disbursement system (private health insurance)	2 000 000 benefits paid /year		
Disbursement system (composite)	500 000 claims /year		
Management and payment system of the statutory health and long-term care insurance	3 000 000 insured		

<sup>1</sup> In the following, service-related transactions are those recorded in the account management system when the various critical services are provided.



## HEALTH-CARE

Asset	Asset category	Threshold value
IN-PATIENT CARE	Hospital	30 000 patients in full-time hospital care /year
SUPPLY OF DIRECTLY LIFE-SUSTAINING MEDICAL PRODUCTS WHICH ARE CONSUMER GOODS	Production site	90,68 million turnover in euros /year
	Dispensary	90,68 million turnover in euros /year
SUPPLY OF PRESCRIPTION DRUGS AND BLOOD AND PLASMA CONCENTRATES FOR USE IN OR ON THE HUMAN BODY	Production site	4 650 000 packages placed on the market /year
	Facility or system for taking and further processing blood donations	34 000 products produced or placed on the market /year
	Operations and storage room	4 650 000 packages handled /year
	Facility or system for distributing prescription drugs	4 650 000 packages transported /year
	Pharmacy	4 650 000 packages dispensed /year
LABORATORY DIAGNOSTICS	Transport system	1 500 000 cumulated no. of requests of laboratories in the group /year
	Communications system for sending requests and test results	1 500 000 requests /year
	Laboratory	1 500 000 requests /year



## ENERGY

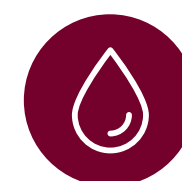
Asset	Asset category	Threshold value
POWER SUPPLY	Generation plant	420 MW installed (electrical) net power
	Generation plant with heat supply (CHP plant)	420 MW installed net capacity (active power directly connected to heat supply at nominal thermal output without condensation share)
	Decentralized power generation plant	420 MW installed (electrical) net power
	Transmission grid	3 700 annual energy in GWh /year consumed by end consumers and distributors
	Storage facility	420 MW installed (electrical) net power
	Central plant and system for electricity trading as far as physical short-term spot trading and the German market territory are concerned	200 trading volume in TWh /year at the exchange
	Facility or system to control/consolidate electrical power	420 MW installed (electrical) net power
	Distribution grid	3 700 annual energy in GWh /year consumed by end consumers and distributors
	Metering point	420 MW power of the connected metering point or supply
	GAS SUPPLY	Gas extraction facility
Long-distance gas pipeline network		5 190 GWh /year annual energy consumed by end consumers and distributors
Gas storage facility		5 190 GWh /year energy supplied
Gas distribution network		5 190 GWh /year energy supplied
Oil extraction facility		4 400 000 tonnes /year crude oil extracted
FUEL AND FUEL OIL SUPPLY	Refinery	420 000 <sup>1</sup> tonnes /year fuel or 620 000 tonnes /year fuel oil produced
	Long-distance oil pipeline	4 400 000 million tonnes /year volume of crude oil or product transported
	Oil and product storage	4 400 000 million tonnes /year total volume of fuel distributed or 620 000 <sup>1</sup> tonnes /year volume of fuel handled or 420 000 <sup>1</sup> tonnes /year volume of fuel handled
	Facility for central control of multiple sites	4 400 000 million tonnes /year total volume of crude oil or product transported or 4.4 million tonnes /year total volume of crude oil handled or 420 000 <sup>1</sup> tonnes /year Total volume of fuel handled or 620 000 tonnes /year Total volume of fuel oil handled
	Facility or system of aggregators for fuel and fuel oil distribution	420 000 <sup>1</sup> tonnes /year total volume of fuel distributed or 620 000 tonnes /year Total volume of fuel oil
DISTRICT HEATING	Service station network	420 000 <sup>1</sup> tonnes /year volume of fuel distributed
	Facility for central control of multiple sites	420 000 <sup>1</sup> tonnes /year total volume of fuel distributed or 620 000 tonnes /year Total volume of fuel oil distributed
	Heat generation plant	2 300 GWh /year thermal energy supplied
	Combined heat and power plant	2 300 GWh /year thermal energy supplied
	District heating network	250 000 households connected

<sup>1</sup> = 420 million litres



## ICT

Asset	Asset category	Threshold value
VOICE AND DATA TRANSMISSION	Local access networks to access a public telephone service, a public data transmission service or an Internet access service	100 000 subscriber connections to the access network (Section 3 no. 21 of the Telecommunications Act in its applicable version) according (Section 1 (1) no. 2 of the Emergency Preparedness (Post and Telecommunications) Act in its applicable version)
	Transmission networks for publicly accessible telephone services or Internet access services (not including local access networks to access a public telephone service, a public data transmission service or an Internet access service)	100 000 subscribers of the relevant service according (Section 1 (1) no. 2 of the Emergency Preparedness (Post and Telecommunications) Act in its applicable version)
	IXP for publicly accessible telephone services, data transmission services or Internet access services	300 autonomous systems connected (annual average)
	DNS resolvers offered for use of publicly accessible telephone services, data transmission services or Internet access services	100 000 subscribers to the access network in which the DNS resolver is operated
	Authoritative DNS servers	250 000 domains for which the server is authoritative or which are delegated out of the zone
DATA STORAGE AND PROCESSING	Data centre	5 MW contractually agreed capacity (on 30 June of a calendar year)
	Server farm	25 000 running instances (annual average)
	Content delivery network	75 000 data volume delivered (in terabyte/year)
	Facility for the provision of trust services	500 000 qualified certificates issued or 10 000 certificates for authenticating publicly accessible servers (server certificates, e.g. for web servers, e-mail servers, cloud servers (e.g. TLS/SSL certificates))



## WATER

Asset	Asset category	Threshold value
WASTEWATER DISPOSAL	Sewer system	500 000 residential customers
	Sewage treatment plant	500 000 capacity in terms of population
	Control centre	500 000 capacity of the plants managed/monitored in terms of population
DRINKING WATER SUPPLY	Water-catchment plant (waterworks)	22 000 000 m <sup>3</sup> /year water volume collected
	Water distribution system	22 000 000 m <sup>3</sup> /year volume of water distributed
	Water treatment plant (waterworks)	22 000 000 m <sup>3</sup> /year volume of drinking water treated
	Control centre	22 000 000 m <sup>3</sup> /year water collected, transported or treated by the plants managed /monitored



## TRANSPORT

Asset	Asset category	Threshold value
BY AIR	Facility or system for checking in passengers at airports	20 000 000 passengers /year
	Facility or system for handling freight at airports	750 000 freight in tonnes /year
	Airport infrastructure operations	750 000 freight in tonnes /year or 20 000 000 passengers /year
	Traffic control	17 500 flights /year
BY RAIL	Rail passenger station	Each highest category of the station category
	Goods station	23 000 trains departing /year
	Marshalling yard	23 000 trains marshalled /year
	Rail network and signal boxes	Rail network according to the TEN Regulation <sup>1</sup>
	Rail traffic control and guidance system	Rail network management system pursuant to the TEN Regulation
TRANSPORT BY SEA AND INLAND WATERWAYS	Rail control centre	8 200 000 passenger kilometres (passenger transport) in train-kilometres /year per network / subnetwork or
	Facility or system for operating federal waterways	17 000 000 density of freight transport in tonnes
	Traffic control and guidance system for transport by sea and inland waterways	17 000 000 density of freight transport in tonnes
	Control centre of sea transport operators and transport enterprises	1 875 000 freight moved in tonnes /year
IN ROAD TRAFFIC	Facility or system for organizing the placement of inland vessels (freight traffic only)	345 500 000 tonne kilometres /year
	Traffic control and guidance system	Traffic control and guidance system for federal trunk roads
IN LOCAL PUBLIC TRANSPORT	Traffic control and guidance system in local road traffic	500 000 residents in the city supplied
	Rail network and signal boxes of the public road passenger transport	125 000 000 passengers /year
	Rail traffic control and guidance system of local public transport	125 000 000 passengers /year
LOGISTICS	Control centre of the public road passenger transport (operator, transport enterprise)	125 000 000 passengers /year
	Facility or system to operate a logistics centre in the segments bulk commodity, loading, individually packaged goods, contract, sea or air freight logistics	17 000 000 freight in tonnes /year
OTHER	System or IT system to control or manage logistics in the segments bulk commodity, loading, individually packaged goods, contract, sea or air freight logistics	17 000 000 total freight provided, distributed, stored, processed or handled in tonnes/year
	Facility for forecasting weather or tides or for reporting water levels	Legal requirement to provide a service Assets as referred to in Section 4 (1) of the Act on the German Weather Service <sup>2</sup> or in Section 1 (9) of the Maritime Shipping (Federal Competences) Act <sup>3</sup>
	Satellite navigation system	Operation of ground infrastructure of assets as referred to in article 28 of regulation (EU) No 1285 /2013

<sup>1</sup> Regulation (EC) No 1315/2013 of the European Parliament and of the Council of 11 December 2013.  
<sup>2</sup> Act on the German Weather Service (DWD-Gesetz) in the applicable version.  
<sup>3</sup> Maritime Shipping (Federal Competences) Act (Seaufgabengesetz) in the applicable version.



## FOOD

Asset	Asset category	Threshold value
FOOD PRODUCTION	Food production plant	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year food produced
	Food processing plant	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year food processed
	Facility or system for food distribution	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year food distributed
GROCERY TRADE	Facility or system for central control of multiple sites	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year total volume of food produced, processed or distributed in the facilities managed
	Food processing plant	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year food processed
	Facility or system for food distribution	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year food distributed
	Facility or system for ordering food	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year food ordered
	Food outlet	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year volume of food marketed
	Facility or system for central control of multiple sites	Food: 434 500 tonnes /year or beverages: 350 Mio. litres /year total volume of food processed, distributed, ordered or marketed in the facilities managed

Further information can be found at:

