Northern Cape Province DEPARTMENT OF TOURISM, ENVIRONMENT & CONSERVATION



Porofensi Ya Kapa Bokone LEFAPHA LA BOJANALA, TIKOLOGO LE SHOMARELO

APPLICATION FOR AUTHORIZATION
in terms of Section 22 of the Environment Conservation Act, 1989
(Act No. 73 of 1989) In respect of a listed activity identified in terms of Section 21 of the said Act.

Project applicant:	Felena	Na austr			
Business reg. no./ID. no.:	ESKOM HIGHOLDINGS LIMITED - TRANSMISSION DAS				
Contact person:	200201552706				
Postal address:	MS CAROL STREATON				
Telephone:	PO BOX 1091, JOHANNESBURG, 2000				
E-mail:	611 880 5411 C\$3 633 1				
	ca-cl- Shec	ton@esto	M-co-20	011 50	0 3917
Project title:	ENVIRONMENTAL IMPACT ASSESSMENT FOR THE PROPOSED PERSEUS - HYDRA 765 KV TRANSMISSI POWER LINE				
Brief project description	CONSTRUCTION OF JEOKM TES BY TERMSMISSION POWER LINE FROM PERSELS SUBSTITUTION NEAR BLOCKMONTEIN TO THE HYDRA SUBSTITUTION NEAR DE MAK				
Project location:	BLOEME	DATE IN T	D DE MAK	~	
1:250 000 Map reference:		-	+, 2924 M		<i>u</i>)
Co-ordinates:	Latitude:	87831.0			South
	Longitude:	23-260			East
District municipality	Biomin	PONTEIN			-
Local authority/municipality:	BEE MI				
Name of property:			TTTCHED I		_
Farm/erven name and number	THEIDO	11	HI HEHEO	rinys	
Size of property:					
Closest city/town:	BLOEMPU		Distance (in	km):	
	DE MAR,	PETRUSVI	LLE, etc.	BEE OL	AN OF STU
Registered landowner(s):	17		7 6 1 6 1	Sec PE	W 01 3/L
Business reg. no./ID. no.	WILL BE MADE AVAILABLE AT A LATER STA				
	17 will	BE MAN	Coloni man		PHEK ST

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Postal address:	11.		
Telephone:	N/A	Cell:	1
E-mail:	N/A	Fax:	N/A
	N/A		NIT
Environmental consultant:	AROUS GIBB CPTY)	(TD	
Business reg. no./ID. no.	1992/007139/07	CIO	
Contact person:	MS JANNA - MARIN BAL		
Postal address:	PO BOX STOO, RIVENIA,		-
Telephone:	04, 519 4600	Cell:	APP ALL TO LO
E-mail:	pall 60,9 lbb : co : 20	Fax:	011 807 5670
constitute an offence in terms of the Signed at Sunning Hill.	this 16 day of Aug.	Act No. 7.	3 of 1989).
Applicant: C.A. STREATON	Signature; I	He	ata.
Witness:	Witness: I	Ma	Ball
(1-200)		FOR	OFFICIAL USE ONLY
	Reference	e no.:	
	Date rece	ived:	

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Case officer:

Northern Cape Province DEPARTMENT OF TOURISM, ENVIRONMENT & CONSERVATION



Porofensi Ya Kapa Bokone LEFAPHA LA BOJANALA, TIKOLOGO LE SHOMARELO

DECLARATION OF INTEREST BY CONSULTANT

#/We ARCUS GIES (PP1) LTD	ac End	ponmani-	Consult		N 80 0	M
Proponent) Eskon Holowas Limited	es Livi	on	(Name			
ELA THE PROPOSED PERSONS HIDE	THERE					Project
HNE		ereby dec				
1. This consultant layis not a subsidiary, legally or finance	ially, of the	proponen	t.	-		
				-		
2. Remuneration for services by the proponent in rela	ation to this	Oronoco	l ic nad			tool coat a
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authorization by the decision-making authority(ies). 3. My/our consultancy has the following interests in				-		
authorization by the decision-making authority(ies). 3. My/our consultancy has the following interests in authorization of this project.				-		
authorization by the decision-making authority(ies). 3. My/our consultancy has the following interests in authorization of this project.	n secondary	v develop	oment as	5 'a	result	

* Please give details of what is applicable and delete that which is not applicable

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A. L.A. SARALAN

	offence	tice N in te	o. R.1	183 c
Environment Conservation Act , 1989 (Act No.73 of 1989)				
Signed at Accus - GIBB ENONIA this 20 day of Sept	смвек	- 90	05	
Consultant: Janua - Mycin Bau Signature: M	1Da	U		
Witness: Witness: PO? Hoer	9			_
	30			
	TT 100 C 100	- William Co	1.00000000000	- Maria and
SECTION 2: TO BE COMPLETED BY COMMISSIONER OF OATHS	14	3		哥龍
I cortify that hafara administration to	2 Land 12 La 202	PERM	35 Mr. 2	- Contract
I certify that before administrating the oath/affirmation I asked the deponent	the follow	ing qu	restion	is an
wrote down his/her answers in his/her presence				
Do you know and understand the contents of this declaration?	Yes	V	No	
Do you have any objections to taking the prescribed oath?	Yes		No	1
Do you consider the prescribed oath to be binding on your conscience?	Yes	1	No	-
		-		
I hereby certify that the deponent has swom that he/she knows and unders	ands the	contre	ints of	f tha
	ence. Sk	ned	by m	a at
2				a of
Rivorum on this _ZoT" day of Septem	by 20	05		e of
declaration and the deponent's signature was placed thereon in my prese	br 20	201		
on this ZoT" day of Septen	12 ZO	01		
Full name: Richard Corpy on this On this On this	u Ra	U		
on this ZoT" day of Septen	u Ra	U		
full name: Richard Coepy Ausiness address: To Waterneya Centre Rivonin	u Ra	U	-	
Full name: Coepy an this Cot day of Septem Susiness address: Coepy Ceurse Rivonin Designation/rank: Co (Se)	u.Ra	U	-	
Full name: Lichoro Coepy Susiness address: To Waterneya Ceurae Rivonia Designation/rank: Co (Sa) RICHARD CARDY CA(SA) Chartered Accounts	u.Ba	U	-	
Full name: Lichoro Coepy Susiness address: To Waternary Cenza Rivonia Pasignation/rank: Co (Sa) RICHARD CARDY CA(SA) Chartered Accountant Membership Number: 2072004	u.Ra	U	-	_
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Full name: Lichoro Coepy Susiness address: To Waternary Cenza Rivonia Pasignation/rank: Co (Sa) RICHARD CARDY CA(SA) Chartered Accountant Membership Number: 2072004	MRa	U	-	
full name:	u.Ra	U	_	

PLEASE NOTE: If you do not intend making use of an independent consultant, please submit an adequately motivated request in terms of Section 28A of the Environment Conservation Act 1989 (Act No. 73 of 1989) for exemption from the use of an independent consultant together with this form.

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Northern Cape Province DEPARTMENT OF TOURISM, ENVIRONMENT & CONSERVATION



Porofensi Ya Kapa Bokone LEFAPHA LA BOJANALA, TIKOLOGO LE SHOMARELO

PRE-APPLICATION CHECKLIST

Project applicant:	ESKOM HOLDINGS LIMITED		
Business reg. no./ID. no.:	200201522706		
Contact person:	MS CAROL STREATON		
Postal address:	Po Box 1001 To		
Telephone:	PO BOX 1091, JOHANNESBURG		
E-mail:		Cell:	0536331545
	casel shiroton is eskon : co : ca	Fax:	CII 800 3917

SECTION I: ENVIRONMENTAL CONSIDERATIONS

Please provide the following:

- a <u>locality plan</u>, which clearly shows the site in relation to the surrounding area. The plan must be of sufficient quality to enable the Department to locate the site for the purposes of a site inspection.
- a <u>site plan</u>, indicating the proposed new development, existing infrastructure, servitudes, 1:50 year flood line, 1:100 year flood line and any additional information that may be of assistance to the Department in considering the application.

<u>photographs</u> of the site and its surroundings (taken of the site and from the site). The vantage points from which the photographs were taken, must be indicated on the site plan, or locality plan as applicable. If available, please also provide a recent aerial photograph.

a <u>letter of consent</u> from the landowner, if the site of the proposed development is rented or leased

Is the proposed	activity a new development or an upgrade of an existing development?
k t	EVELOPMENT
Which of the lis activities that a	ted activities in Schedule $1\ \&\ 2$ of GN, R. 1182 apply to the development? Please indicate a
1 (a)	
What is the size What is the tota	/scale of the project? area of the development site? 20.8 km²

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Indicate the area of the site that will need to be disturbed in order for the proposed activity to take place.

Indicate the extent of the footprint for the proposed activity in relation to the site in its entirety.

30.8 km² (360 km LONG # 30M WIDE INCL. SEEVITAGE)

What is the current land use of the proposed site(s) for the activity and surrounding land uses?

What is the current land use on the proposed development site?

Built up ARAS NO FARMOND

What is the land use in the area surrounding the proposed development site?

Does the proposed activity fit in with forward planning documents for example, Integrated Development Plans and Spatial Development Frameworks. Please reference the source of confirmation.

Please indicate whether any of the following emissions and wastes will be produced by the project during the construction and operational phases?

Item	Yes / No	Source & anticipated volumes
Air emissions	Y65	DUST DUELAS CONSTRUCTION
Odours	No	
Radiation	NO	
Noise	Yes	DIEING CONSTRUCTION
Industrial or agricultural effluent	No	
Domestic, industrial or agricultural solid waste	20	
Hazardous solid or liquid waste	No	

Will the project involve the use of, storage of or production of hazardous substances?

Substance	Volume
HO	2/4

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nat managed

How will the site be serviced and who will provide the services and/or infrastructure? Is service infrastructure available and can the project readily be connected to existing services infrastructure? OR will service infrastructure have to specifically be developed for the project.

LIMITED SERVICES REQUIRED AND WILL BE PROVIDED BY ESCOM

Please provide details in the table below and attach correspondence confirming service provision from the relevant service provider, if available.

Item	Service Provider	Amount or capacity required	
Water supply		Peak demand (I/s):	
	4/4	Average demand (kl/day):	
Water abstraction (indicate source and any		Peak demand (I/s):	
existing water servitudes)	N/A		
		Average demand (kl/day):	
Electricity (indicate any existing		Péak demand (kVA):	
servitudes)		4	
	N/A	Average demand (kVA):	
Solid waste		Collection (m³):	
		Transport (m³):	
	N/A	Disposal (m³):	
		Treatment (m³):	
Sewerage effluent	The second of	Peak flow (I/s):	
	N /A	Average flow (kl/day):	
Stormwater		Peak flow (I/s):	
		1 GEN HOW (1/5):	
	NIA	Average flow (l/s):	
ccess (roads, rail)	Feve	Access 784	
Access (roads, rail)	ESKOM	ACCESS TRACKS SERVICE POWE	

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25 (6) (2)

Other N/A

Please describe any alternatives that address environmental issues related to the development that are being considered (e.g. project layout, project site, technology selection, access)? NOTE: If alternatives are not being considered, please submit an adequately motivated request in terms of Section 28 A for exemption from considering alternatives together with this checklist.

	Alternative	Description and Comments (Indicate which environmental Impacts v mitigated by way of the alternatives proposed)				
	7					
	7	PLEASE REFER TO PLAN OF STUDY OCCUMENT				
0)					

Please provide information in the table below for **EVERY SENSITIVE FEATURE** listed below. Please note that it is not necessary to commission specialist studies to respond to this table. Information can be verified through discussion with the relevant authorities, published scientific papers/knowledge, local agricultural extension officers, local nature conservation officers and other similar means.

Feature	Y/N		Description of sensitive feature		Verified
		(m)		Y/N	Source of verification
Unique geological feature	N				and an instance
Steep slopes (>1:4)	7	WITHIN GTUDY AKEA	SPECIALIST STUDY TO DETERMINE		
High potential agricultural land/soil	7	WITHIN STUDY ARDA	SPECIALIST STUDY TO PETERMINE		*
Mountainous area	Y	WITHIN STUDY ARBA	ü		7.0
River, dam, lake or wetland	7	PROPOSED BASE	fe fe		

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0.000.00

A floodplain or within 1:50 SPECIALIST STUDY TO Y floodline/1:100 DETERMINE floodline Currently used or potentially valuable SAME AS ABOVE N groundwater resources Marine life Area below the high water mark N Coastline or coastal feature N such as dunes, estuaries and lagoons Areas occupied by sensitive indigenous TO BE DETERMINE BY vegetation (e.g. SPECIALISTS INVESTIGATIONS ecotones, centres of endemism, unique vegetation types, etc.) A habitat that is essential for the MITTHIN conservation of TO BE DETERMINED BY DTUDY threatened plant SPECIALISTS INVESTIGATIONS ARCA or animal species. Breeding sites or migration routes SAME AS ABOVE 41 of animal species Any protected plant or animal species or species that is W SAME AS ABOVE known to be threatened (e.g. listed as a Red Data species) Unique architectural

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area (e.g. Urban Conservation Zone)	T			
Cultural or historical sites (e.g., battle site, historical monument, graveyard, sites for burial, worship, initiation)	4	WITHIN GTUDY AREA	TO BE DETERMINED BY SPECIALISTS INVESTIGATIONS	
Archaeologically/ paleontologically significant area (e.g. fossils, rock art, etc.)	7		Same as assist	
Designated or proposed nature conservation area (e.g. nature reserve, corservancy, Biosphere Reserve, World Heritage Site, Ramsar Site)	7	п	Shine AS MBOLE	
A green belt or public open space	2			
A formal or informal residential area	7			
A community facility (school, hospital, sports hall/fields)	Ч	R.	STIME AS ABOVE	
A transition or buffer zone (e.g. urban edge, transition zone in a biosphere reserve)	2			
A scenic landscape	У			
Area or site of natural beauty	Y			
A significant tourism route or	N			

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ST 51 TEST 11

SECTION IT: LEGAL & POLICY SECTION IT: LEGAL & POLICY Is the project subject to any local authority authorizations (e for fuel burning devices, development in sensitive coastal are: yes, please provide a summary of discussions and agreements Authorization Y/N Application Y/N Land use planning Type of land use planning application: Effluent disposal Water supply Fuel burning device (e.g. boiler, furnace) Protected natural environment (PNE) Sensitive coastal area (e.g. OSCA) Noise	g, effluent dississ or in designa with local authorsubmitted? Date	sposal, land ated protect horities, if ar	od natural area
Is the project subject to any local authority authorizations (effor fuel burning devices, development in sensitive coastal area (es., please provide a summary of discussions and agreements Authorization Y/N Application Y/N	g, effluent dississ or in designa with local authorsubmitted? Date	sposal, land ated protect horities, if ar Applica	ed natural area ny. ition approved?
Is the project subject to any local authority authorizations (effor fuel burning devices, development in sensitive coastal area (es., please provide a summary of discussions and agreements Authorization Y/N Application Y/N	g, effluent dississ or in designa with local authorsubmitted? Date	sposal, land ated protect horities, if ar Applica	ed natural area ny. ition approved?
Authorization Y/N Application Authorization Y/N Application Land use planning Type of land use planning application: Effluent disposal Water supply Fuel burning device (e.g. boiler, umace) Protected natural environment (PNE) Sensitive coastal area (e.g. OSCA)	ss or in designa with local auth submitted? Date	ated protect horities, if an Applica Y/N	ed natural area ny. ition approved?
Authorization Y/N Application and use planning Type of land use planning application: Iffluent disposal Water supply uel burning device (e.g. boiler, umace) rotected natural environment (PNE) ensitive coastal area (e.g. OSCA)	pate	Applica Y/N	tion approved?
and use planning Type of land use planning application: Iffluent disposal Water supply Tuel burning device (e.g. boiler, urnace) Protected natural environment (PNE) ensitive coastal area (e.g. OSCA)			Date
Type of land use planning application: Iffluent disposal Water supply Fuel burning device (e.g. boiler, umace) Protected natural environment (PNE) Fensitive coastal area (e.g. OSCA)	> n /	/^	
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Water supply Fuel burning device (e.g. boiler, umace) Protected natural environment (PNE) Gensitive coastal area (e.g. OSCA)	> " /	(A	
ruel burning device (e.g. boiler, urmace) Protected natural environment (PNE) ensitive coastal area (e.g. OSCA)	> " /	/ _A	
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other, specify:			***************************************
las any national, provincial or local authority considered any	. downlane	- bar	
uccessful or not, as well as the periods of validity or expiry dat	Michelant India	cating if the	s on the prop applications v
evious application		'es	No ×
/pe/nature of application:			
uthority that considered application:			

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Application approved		Yes	No	
Reasons for decision:				
ы	/ ^			
Period of validity of decision and expiry				
	N/A			
Is an amendment to the Structure Plan in order to accommodate the proposed been lodged with the relevant authority	d development? If so,	ture plans and former please indicate wheth	guide plans) requier an application	iired has
Is an amendment to the Structure Plan in order to accommodate the proposed been lodged with the relevant authority	d development? If so,	ture plans and former please indicate wheth	guide plans) requier an application	iired has
in order to accommodate the proposed	d development? If so,	ture plans and former please indicate wheth	guide plans) requier an application	iired has

The project may require licenses/permits from other authorities in the case of a new development, or revisions to existing licenses/permits in the case of an extension or upgrade of an existing development. If the response to any of the following questions is affirmative then you are advised to query the matter further with the relevant authority in addition to submitting this checklist to the Department of Tourism, Environment & Conservation. If you are uncertain about the legislation that is applicable to your development, please consult the relevant authority as shown in the table.

National and Provincial Legislation: Please provide relevant details in the table below and attach

any licenses/permits already issued for the project.

Athorization			cation itted?	Application approved?	
		Y/N	Date	Y/N	Date
Air emissions - Refer to the Second	N	300			
Schedule of the Atmospheric Pollution Prevention Act, 1965 (Act No. 45 of 1965) (Dept. of Environment Affairs & Tourism - Applicable to industrial and manufacturing projects where air emissions will be discharged to atmosphere generally via a smoke stack or to extractive industries where dust will be generated)	Comments:	^			
Effluent disposal - Refer to the Section	N				
21 of the National Water Act, 1998 (Act No. 36 of 1998). (Dept. of Water Affairs & Forestry — Applicable to projects where liquid waste is	Comments:	/^			
produced and will be disposed to a					

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watercourse, wetland, dam or the sea. If effluent is to be discharged to a municipal sewer, application must be made to the relevant local authority)					
Water use - Refer to section 7 of the	N		T	1	
Water Services Act, 1997 (Act No. 108 of 1997) and Chapter 4 of the National Water Act, Act 108 of 1998.	Comments:				
(Dept. of Water Affairs & Forestry – Applicable to projects where the water required for the project will be obtained from a source other than from an established municipal supply system)	и / 1				
Solid waste disposal - Refer to section	N		1		
20 of the Environmental Conservation Act, 1989 (Act No. 73 of 1989) and the Minimum requirements for Waste Management from Dept, Water Affairs & Forestry	Comments:				
(Dept. of Water Affairs & Forestry — Applicable to any project where a solid waste disposal transfer station, treatment facility or disposal site is to be established or where a waste product will be stored for more than three months)	N/A				
Development of structures and lease	N		T		
of land below the high water mark- Refer to the Sea Shore Act, 1935 (Act No. 21 of 1935)	Comments:			7	
(Dept. of Environmental Affairs & Tourism)	N //	<i>x</i>			
Driving of vehicles and construction	N			1	
of boat launching sites within the coastal zone - Refer to the Control of Vehicles in the Coastal Zone Regulations promulgated in terms of section 44 of The National Environmental Management Act, 1998 (Act No. 107 of 1998)	Comments:	/^			
(Dept of Environmental Affairs & Tourism, Dept of Tourism, Environment & Conservation, SANParks and relevant local authority)		y.			
Agricultural activities - refer to the	N				T
Conservation of Agricultural Resources Act,	Comments	N/A	Vi I	100	-

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1983 (Act No. 43 of 1983)	
1905 (ACC NO. 43 OF 1903)	
(Dept of Agriculture & Land Reform - Applies to projects where agricultural activities involving ploughing and clearing of virgin land is being considered)	
Archaeological , cultural, historical	N N
and other resources related to national heritage - Refer to the National Heritage Resources Act, 1999 (Act No. 25 of 1999)	Comments:
(Heritage Northern Cape/SAHRA~ Applies to projects where there are naturally and culturally significant features on or adjacent to the site where development is being proposed)	N /A
Removal of indigenous fauna and/or	N
flora - refer to the Nature Conservation Legislation: Nature and Environmental Conservation Ordinance, 1974 (Ordinance No. 19 of 1974) and National Forests Act (Act No. 84 of 1998)	Comments:
(Northern Cape Conservation Services - Applies where fauna and flora may need to be removed and relocated. Applies to projects that involve the establishment of private nature reserves, development within nature reserves, establishment of nurseries or zoos Dept. of Water Affairs & Forestry - Applies where Indigenous trees may need to be removed).	N SA
Hazardous Installations - Refer to the	N
Major Hazard Installation Regulations promulgated in 1998 in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) – Section on Major Hazard Installation). (Dept of Labour & Dept. of Environmental Affairs & Tourism – Applicable to projects	Comments:
where hazardous substances are stored and /or produced. Also refer to section 2 (1) of the Hazardous Substances Act, 1973 (Act No. 15 of 1973)	

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Please provide a brief description of the socio-economic characteristics of the area in which the project proposed. Indicate possible negative and positive social consequences/implications. The project mean consists mainly of gnall grassely replicated areas in which the project mean consists mainly of gnall grassely replications. The main from SF income is framing and united mining many of the solution of the consequences are their motivity of gnall implications. The main from emissions for the property of the framing many of the grant motivity of the grant many of the consequences. The main from the property of the framework of the framework of the grant motivity of the framework of the		N				-	
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SECTION IV: SOCIO-ECONOMIC CONSIDERATIONS What is the envisaged start and end date of the proposed development? Start date: OFE PLAN OF STLIDY End date: SEE PLAN OF STLIPY What is the total cost of the proposed development? Please indicate if the information provided confidential. Social development cost RSCOCCO CCO Information confidential Yes No X involved to the proposed development? Sumber of permanent jobs 2 Number of temporary jobs 2.00 Number of permanent jobs 2.00 Number of temporary jobs 2.00 Number of permanent jobs 2.00 Number of temporary jobs 2.00 Number of jobs to be provided to Northern Cape residents 1000 Number of jobs to be provided to Northern Cape residents 1000 Number of jobs to be provided to Northern Cape residents 1000 Number of the area in which the project proposed. Indicate possible negative and positive social consequences/implications. See Provide a brief description of the socio-economic characteristics of the area in which the project proposed. Indicate possible negative and positive social consequences/implications. See Provide a brief description of the socio-economic characteristics of the area in which the project proposed. Indicate possible negative and positive social consequences/implications. See Provide a brief description of the socio-economic characteristics of the area in which the project proposed. Indicate possible negative and positive social consequences/implications. Security of the proposed development? Security of th			T.C.				
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