





























































































































Enable Mass Customiza	• typical SCEs are service-discriminated
Reduce Costs	• centralized IN systems <u>do not scale</u> <u>up</u> to an "every call = an IN call" target (e.g. for Number Portability)
- TIA	• <u>poor</u> multivendor-interoperability and <u>limited</u> use of standard, general purpose Information Technology

Operator 's Need	s versus Limits of IN
Open to 3rd Party SP	 "mediated access function" only a (complex and) <u>provisional solution</u> openness added, <u>not built-in</u>
Rebalance Network- CPE Intelligence Reduce dependence	 current IN assumes <u>dumb</u> CPE (signaling to a switch) CPE evolves to a <u>down-loadable client</u> in a "client-server" relation with the Network-based service functions
on Vendor's schedules strategies	current network systems do not support a role of the Operator as System & Solution <u>Integrator</u>
A CO-OPERATIVE SOLUTION FOR A COMPETITIVE WORLD	49













SPRINT ION [™] - Competing or Supporting ?	
Business Model	Ret = 4; ConS = 2/3; Tcon = 1
Computing Architecture	TINA DPE = 4, 5 in perspective
Service Architecture	3
Resource Management Architecture	3, 4 in perspective
Competes With	CORBA DPE
Supports	All parts of TINA



P847	EURESCOM	
STARVISION [™] - Competing or Supporting ?		
Business Model	Ret = 3; ConS = 2; Tcon = 0	
Computing Architecture	CORBA DPE = 5	
Service Architecture	3, 5 in perspective	
Resource Management Architecture Competes With	2, 5 in perspective	
Supports	All parts of TINA	
22	EURESCOM Participants in P847 (FT, IT, NT, TI)	



P847	EURESCOM	
JAIN [™] - Competing or Supporting ?		
Business Model	ConS = 2, 3 (for IN only)	
Computing Architecture	DPE = 1	
Service Architecture	2, up to 5 in principle	
Resource Management Architecture	Out of scope	
Competes With	CORBA DPE, TINA DPE	
Supports	TINA Service Architecture (provides framework for implementation)	
24	EURESCOM Participants in P847 (FT, IT, NT, TI)	



P847	EURESCOM		
JINI [™] - Competing or Sup	JINI [™] - Competing or Supporting ?		
Business Model	Ret = 1; ConS = 1; Tcon = 1		
Computing Architecture	DPE = 1		
Service Architecture	1, up to 5 in principle		
Resource Management Architecture Competes With	Out of scope (but could be up to 5 in principle) CORBA DPE, TINA DPE		
Supports	TINA SA, RMA (could improve performance through selective downloading)		
26	EURESCOM Participants in P847 (FT, IT, NT, TI)		



847	EURESCOM
GEOPLEX [™] - Competing	g or Supporting ?
Business Model	Ret = 0;
Computing Architecture	Out of Scope
Service Architecture	Access Session = 0, 1
Resource Management	Out of Scope
Competes With	TINA Access Session
Supports	Customer Service Management
28	EURESCOM Participants in P847 (FT, IT, NT, TI)



847	EURESCOM
PARLAY [™] - Competing or Supporting ?	
Business Model	Ret = 0; ConS = 1; Tcon = 1
Computing Architecture	DPE = 0 (need of network and 3 rd party APIs)
Service Architecture	0, 1
Resource Management Architecture	Out of Scope
Competes With	TINA RMA
Supports	Service Architecture approach especially for 3rd Party
30	EURESCOM Participants in P847 (FT, IT, NT, TI)



PINT - Competing or Su	oporting ?
Business Model	Ret (access) = 1; ConS = 2, 3 (for IN)
Computing Architecture	Out of Scope (PINT is protoco oriented)
Service Architecture	Access = 1;
Resource Management Architecture	Out of Scope
Competes With	Service Architecture, in particular invitation handling
Supports	ConS, Tcon



P847	EURESCOM	
Windwards Aero [™] - Competing or Supporting ?		
Business Model	Out of Scope	
Computing Architecture	CORBA DPE = 5	
Service Architecture	Out of Scope	
Resource Management Architecture Competes With	Out of Scope	
Supports	Developments on CORBA DPE and possibly TINA DPE	
34	EURESCOM Participants in P847 (FT, IT, NT, TI)	





Sandaa	Architecture
Service	Architecture
S	Component model is useful and can easily be applied to different business roles
S	Session concepts are a useful way for managing and controlling services
S	Can be integrated effectively for managing IP-based applications in a commercial environment
W	The session model is too complex w.r.t. what would be needed by IP networks
W	No easy migration from IN services
W	Lack of tool support for service development
0	Promote service management concepts for commercial service offerings in the IT world
Т	Rival solutions to this problem area are now emerging



TINA	User Guide - SWOT analysis
TINA	DPE
S	Good platform for design, deployment, execution, and
W	interaction of TINA application components Added value of TINA DPE to CORBA has never been clearly stated
W	Inter- <i>DPE</i> reference point must be defined to allow interoperability between different DPEs
0	Global acceptance of CORBA as a method of distribution paves the way for TINA
0	The TINA DPE is not just CORBA-based, other technologies could be used to implement a TINA DPE such as DCOM.
Т	Unjustified deviation from CORBA could alienate existing DPEs
Т	Platforms such as Microsoft DCOM and Sun Microsystem's Java RMI may prove that the TINA DPE is unnecessary (This can be a threat for the TINA DPE, not necessarily for TINA).
39	EURESCOM Participants in P847 (FT, IT, NT, TI)

































