

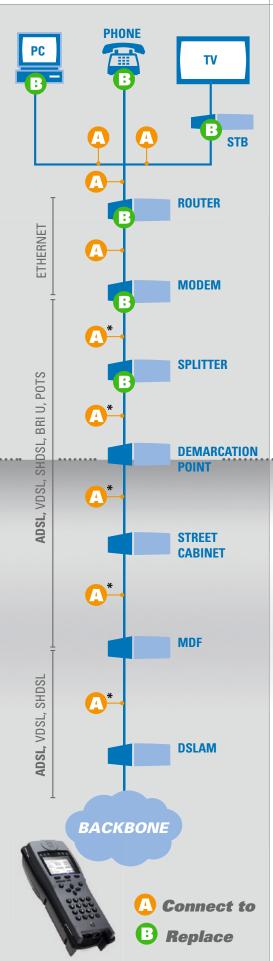
#### TRIPLE PLAY TESTING VIA xDSL AND GIGABIT ETHERNET



# What has to be configured for Triple Play testing?

**IP PING** 

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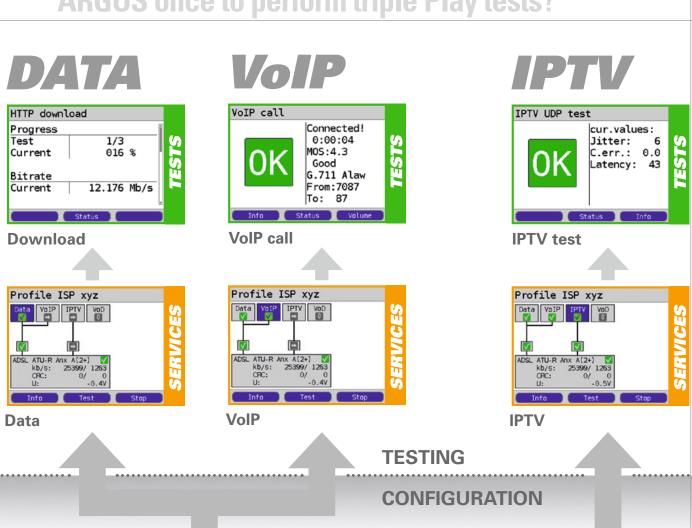


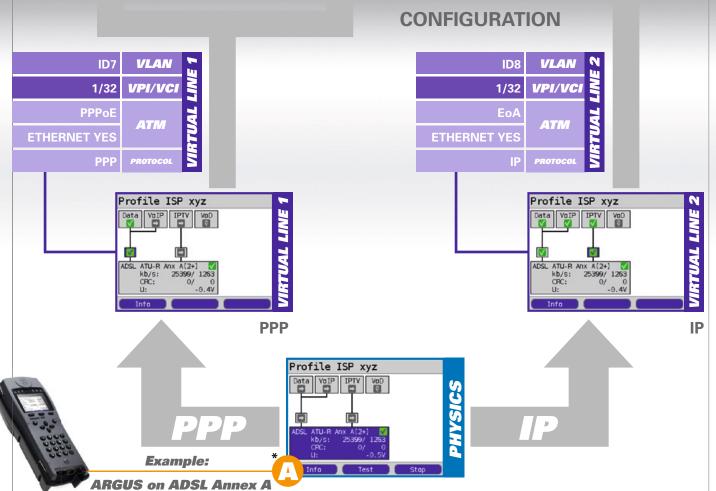
\* Connection points in example

S	TRACE ROUTE	TRACE ROUTE	TRACE ROUTE		
TESTS	HTTP DOWNLOAD	VoIP CALL	IPTV IPTV SCAN MDI ANALYSIS		
	FTP UP-/DOWNLOAD	VoIP WAIT			
	FTP SERVER	VoIP PESQ TEST			
SERVICES	DATA	VoIP	IPTV		
•••••					
INES		PoE	IP		
SE TINES	PPI		IP VLAN 8		
RTUAL LINES	PPI VLA	PoE	VLAN 8		
VIRTUAL LINES	PPI VLA	PoE AN 7	VLAN 8		
VIRTUAL LINES	PPI VLA	PoE AN 7 RNET (EFM) / M	VLAN 8		
	PPI VLA	PoE AN 7 RNET (EFM) / M ATM 1/32	VLAN 8		
	PPI VLA ETHER	PoE AN 7 RNET (EFM) / M ATM 1/32	VLAN 8		
	PPI VLA ETHER	PoE AN 7 RNET (EFM) / M ATM 1/32	VLAN 8  AC  Base-T  e-FX/LX		
PHYSICS VIRTUAL LINES	ADSL Annex A, L, M	PoE AN 7 RNET (EFM) / M ATM 1/32  10/100 B 100 Bas 1000 Ba	VLAN 8  AC  Base-T e-FX/LX se-T se-SX/ZX/LX		

The huge demand for Triple Play services via DSL lines requires the test equipment to separate different services by means of different prioritization. Handling of the increasing amount of data and the different services also requires the use of various protocols and authentification processes.

## How you only need to configure **ARGUS once to perform triple Play tests?**





WWW.ARGUS.INFO

### In use throughout Europe

intec Gesellschaft für Informationstechnik mbH is developing products for the international telecommunications market for more than 20 years and is one of the leading suppliers for xDSL, ISDN and IP measurement technology in Europe today.

With the aid of ARGUS measurement equipment, users can conveniently and safely commission and troubleshoot xDSL and ISDN accesses as well as inspect services like VoIP and IPTV based hereon. ARGUS testers are designed to meet the day-to-day needs of the field staff; consequently intec engineers focus on ensuring high-quality measurements combined with simply and convenient operation.

The portfolio of ARGUS testers, software and analyzers benefits from a continuous development and is kept up-to-date with support for the current standards for all the common access types and protocols as well as for the features of the Next Generation Networks (NGN) and Triple Play services. Throughout the world, numerous telecommunication companies have come to appreciate and rely on the advantages offered by intec equipment; to name just a few Deutsche Telekom, Saudi Telecom, Telefonica, KPN, British Telecom and Telekom Austria.







ARGUS® MADE IN GERMANY



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### **ARGUS** overview

	165	145 plus	142	42 plus	141	42 basic	125	3u NT	3u plus	3u basid
VDSL2	3	3	<b>3</b>							
ADSL 1	3	3	3	3			3			
SHDSL										
10/100 Base-T (Cu)										
1000 Base-T (Cu)		<b>2</b> 2								
2 x SFP										
BRI U										
BRI S/T TE/LL										
BRI S/T NT/mon.										
PRI/E1										
POTS										
RC										
DMT Analysis										
Line Scope										
Probe										
TDR										
LQ/DELT										
Bridge										
Router										
IP Tests				2		<b>2</b>				
Down-/upload				2						
IPTV/MDI				2						
VoIP & MOS										
PESQ.										
	165	145 plus	142	42 plus	141	42 basic	125	3u NT	3u plus	3u basi
	Time of the same o		1000				The same of the sa			







minimum one DSL interface is part of the standard package

- <sup>1</sup> Annex may vary depending on country.
- On request
- <sup>3</sup> Online trace in combination with WINanalyse