









![](_page_2_Figure_1.jpeg)

![](_page_3_Figure_0.jpeg)

- "standard"- para-	- delay - echo attenuation	
meters, e.g.	- echo-/sidetone-	deless
Lougness Ratings	distortion - proposals for	- delay
motivated proced.,	psychoacoustically	- echo-/sidetone-
e.g. PESQ, TOSQA	motivated tests,	distortion
- ext. measurements,	e.g. PESQM	- switching
characteristics	and sidetone	- time variant echo
- background noise	quality measure)	characteristics
transmission,	- background noise	
e.g. Bolativo Approach	transmission,	
Relative Approach	Relative Approach	

![](_page_4_Figure_0.jpeg)

![](_page_4_Figure_1.jpeg)

![](_page_5_Figure_0.jpeg)

![](_page_5_Picture_1.jpeg)

![](_page_6_Figure_0.jpeg)

![](_page_6_Figure_1.jpeg)

![](_page_7_Figure_0.jpeg)

![](_page_7_Figure_1.jpeg)

![](_page_8_Figure_0.jpeg)

![](_page_8_Figure_1.jpeg)

![](_page_9_Figure_0.jpeg)

![](_page_9_Figure_1.jpeg)

![](_page_10_Figure_0.jpeg)

![](_page_10_Figure_1.jpeg)

![](_page_11_Figure_0.jpeg)

![](_page_11_Figure_1.jpeg)