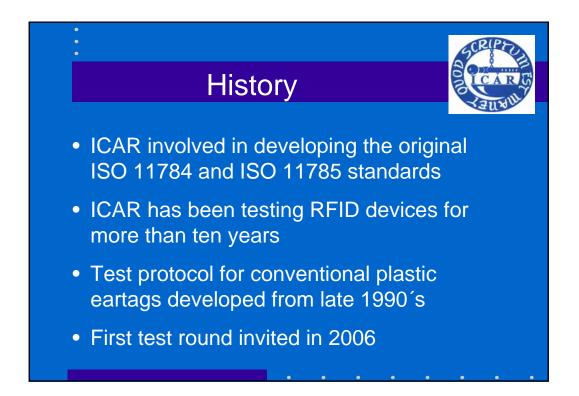
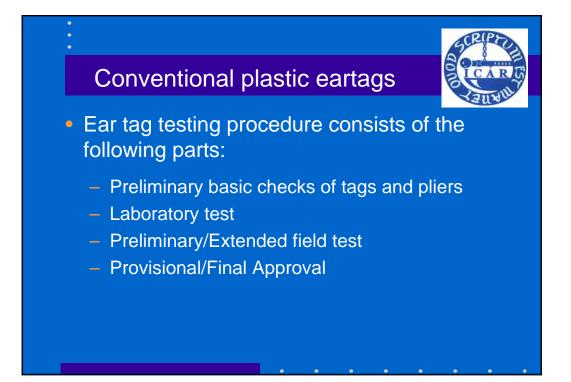
ICAR test of conventional plastic ear tags



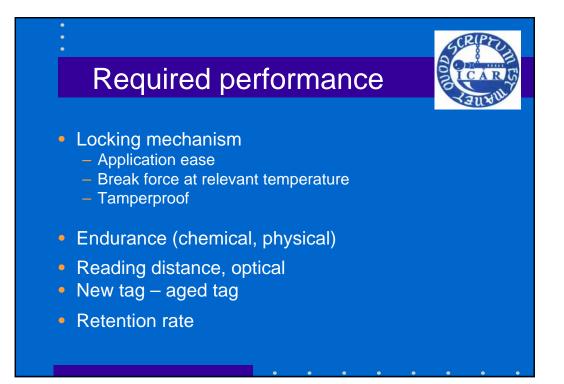
Ole Klejs Hansen

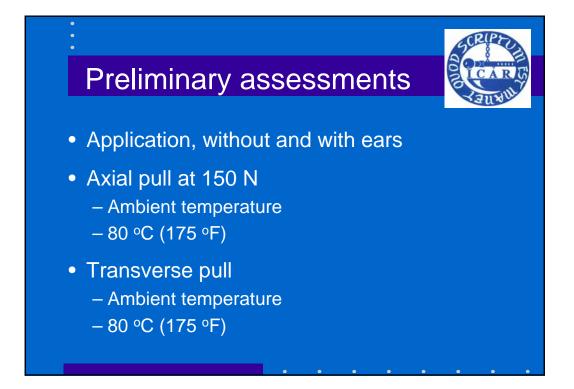
Chairman of ICAR Subcommittee on Animal Identification

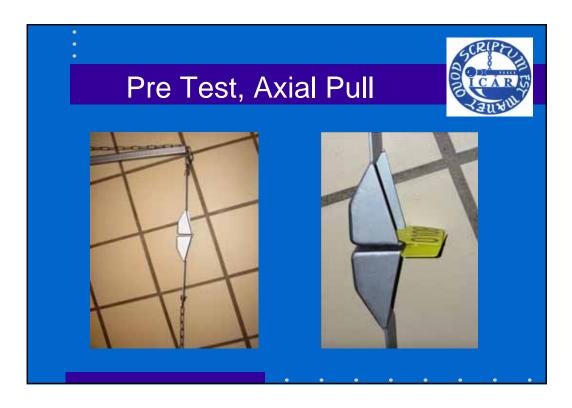


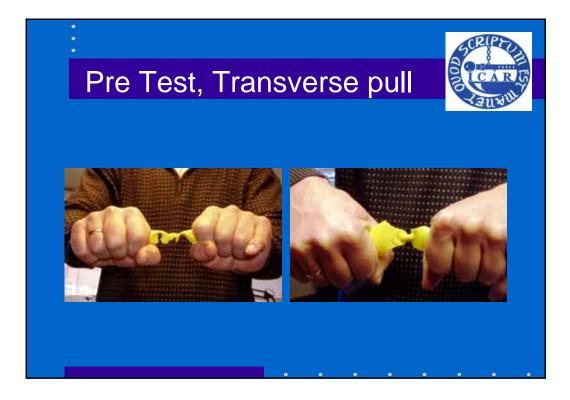


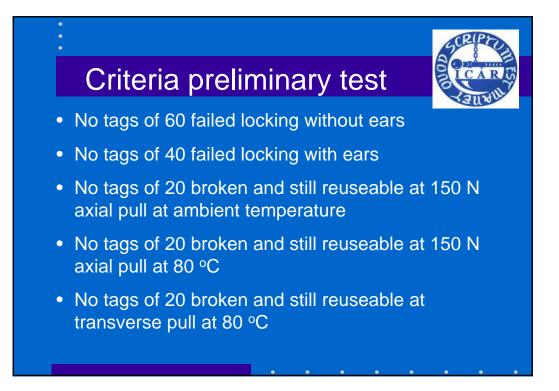


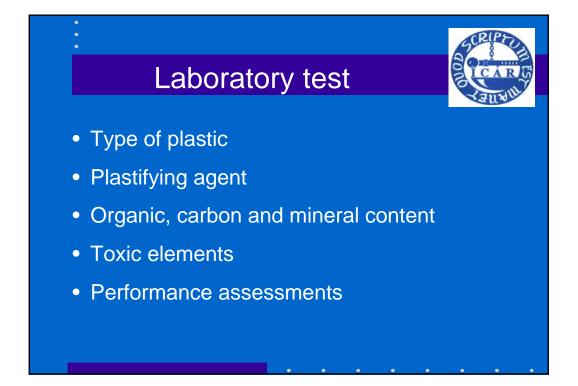


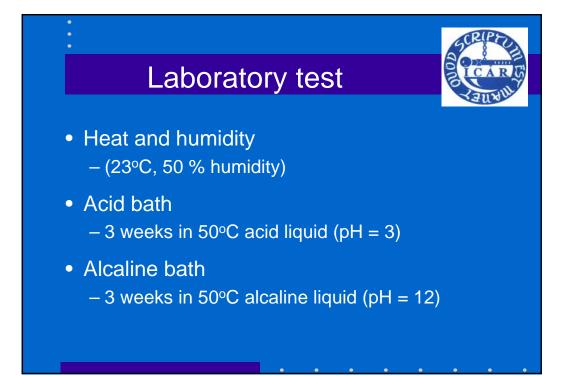






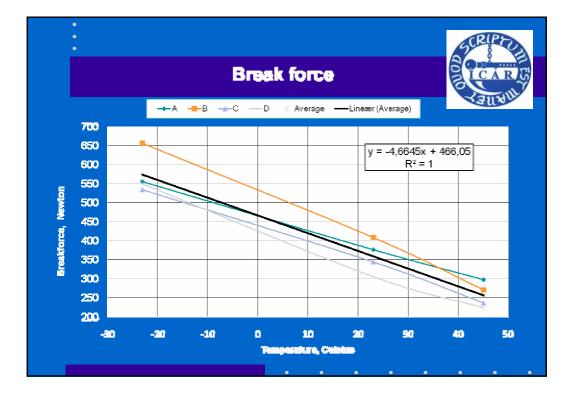


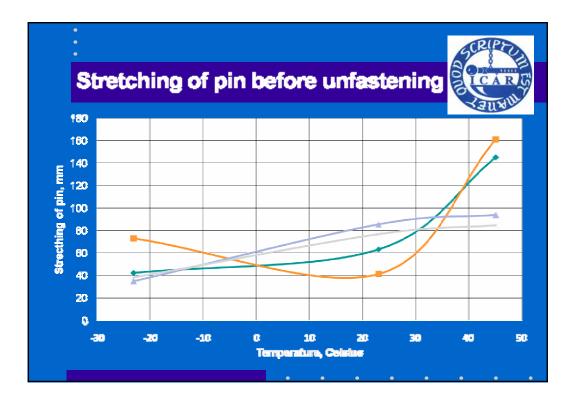


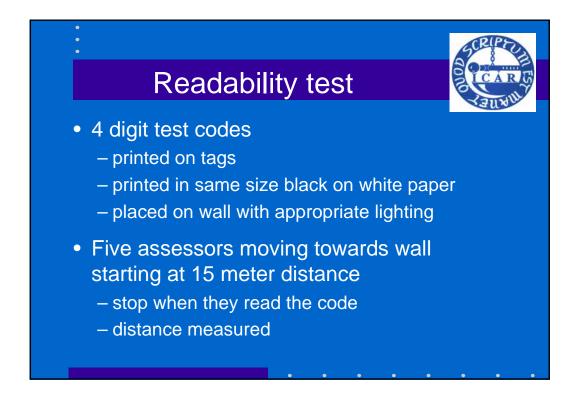


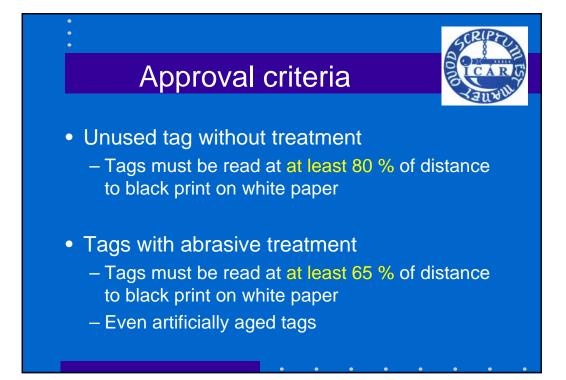
Accelerated ageing								
The accelerated ag each being compri CLIMATIC CYCLE *		consists of 180 simulated climatic cycles (about 1 s: HUMIDITYAND LIGHT	000 hours) DURATION OF THE PHASE					
<i>Phase 1</i> – rain effects	20°C	simulated rain - no light	30 min					
Phase 2 – cold effects	-20°C	cold - no light	60 min					
Phase 3 – heat and humidity effects	55°C	humidity of air = 95 %	60 min					
Phase 4 – dry heat and light effects	55°C	Irradiance : 0.55 W/m ² at wavelength 340nm Total light power emitted $P = 623 W/m^2$ Spectrum : 300 – 800 nm Arc xenon UV light Inner and outer filters in borosilicate the radiant heat is produced by a black board of anodised aluminium with temperate of 55°C	80 min					

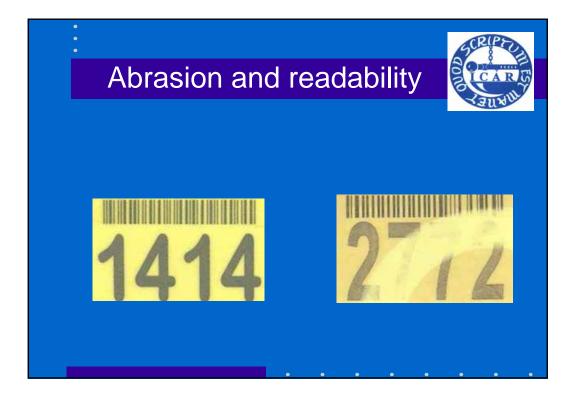
							CON	ICAR.	
								TENE	
Tested	Unused Tag					Aged Tag*			
character- istic	Un- treated	Heat & Humidity 23°C	acid bath	alkaline bath	abrasive treatment	Un- treated	Heat & Humidity 23° C	abrasive treatment	
Resistance of the locking system		~					\checkmark		
Visual readability	\checkmark				\checkmark	\checkmark		\checkmark	
Machine readability	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
* An aged	tag is a	tag that ha	is bee	n subject	ed to the a	iccelerat	ed ageing pro	ocess.	

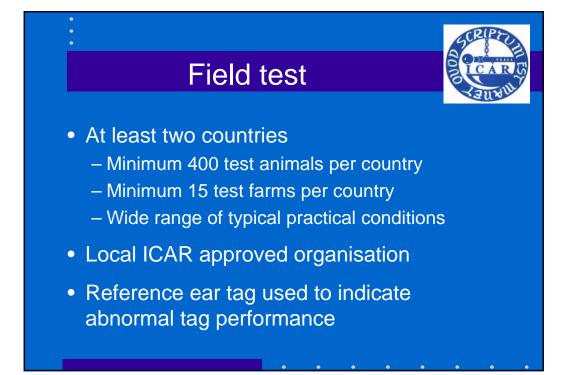


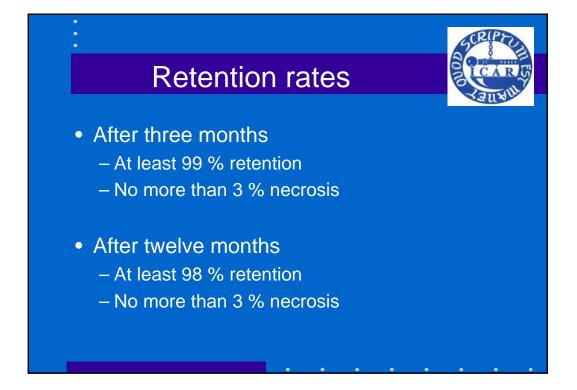


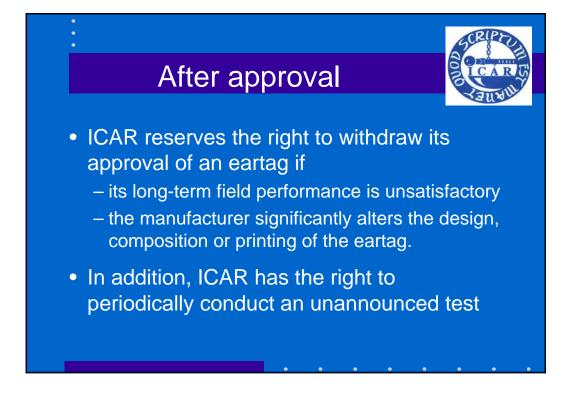














Thank you for your attention



Ole Klejs Hansen Chairman ICAR Subcommittee on Animal Identification