



2012 AGS PTP proposal

Annual base

occasional base

DATA \ KITS	1-1	1-2	1-3	1-4	2-1
type of test	Tensile at room T°	Tensile at room T°	Tensile at room T°	Tensile at room T°	Tensile at T°
complementary info.	cylindrical	cylindrical	plate	Tubular	cylindrical
material	Titanium	Aluminium	Aluminium	Titanium	Inconel

DATA \ KITS	3-1	3-2	4-1	4-2	5-1	5-2
type of test	Creep test	stress rupture test	K1c	DadN	charpy test	charpy test
complementary info.	cylindrical	cylindrical	straight notch	Flat specimen	ambiente	-30 °C
material	Titanium	Inconel	Aluminium	Aluminium	Steel	Steel

DATA \ KITS	6-1	6-2	6-3	7-1	9-1
type of test	hardness	hardness	hardness filiation	salt spray	LCF
complementary info.	HR - HV	HB - HRF	micro HV	mass loss	cylindrical
material	Steel	Aluminium	carburised steel	steel	Titanium

DATA \ KITS	8-1	8-2	8-3	8-4
type of test	Chemical analysis	Chemical analysis	Chemical analysis	Chemical analysis
complementary info.				
material	Al 356	Inco 625	Mar 250	Ti 8-1-1

DATA \ KITS	10-1	10-2	10-3	10-4	10-5
type of test	metallography	metallography	metallography	Inclusion rate	porosity
complementary info.	grain size	Alpha case	Alloy depletion	picture base analysis	picture base analysis
material	Inconel	Titanium	Inco 718	TBD	TBD

Nota: The following tests kits will be proposed during the second half of 2012: Kit 1-4; Kit 3-1; Kit 4-2; kit 9-1. development ongoing for Machining - R-Curves - Stress corrosion - Hydrogen embrittlement - fasteners - rotative bending



2013 AGS PTP proposal

Annual base

occasional base

DATA \ KITS	1-1	1-2	1-3	2-1
type of test	Tensile at room T°	Tensile at room T°	Tensile at room T°	Tensile at T°
complementary info.	cylindrical	cylindrical	plate	cylindrical
material	Titanium	Aluminium	Aluminium	Inconel

DATA \ KITS	3-2	4-1	4-2	5-1
type of test	stress rupture test	K1c	DadN	charpy test
complementary info.	cylindrical	straight notche	CT specimen	ambiante
material	Inconel	Aluminium	Aluminium	Steel

DATA \ KITS	6-1	6-2	6-3	7-1	7-2
type of test	hardness	hardness	hardness filiation	salt spray	salt spray
complementary info.	HR - HV	HB - HRF	micro HV	mass loss	corrosion
material	Steel	Aluminium	carburised steel	steel	steel

DATA \ KITS	8-1	8-2	8-3	8-4	8-5
type of test	Chemical analysis	Chemical analysis	Chemical analysis	Chemical analysis	Chemical analysis
complementary info.					
material	Aluminium	Ni base	Steel	Titanium	cast material

DATA \ KITS	10-1	10-2	10-3	10-4	10-5
type of test	metalography	metalography	metalography	Coating	Coating
complementary info.	grain size	Alpha case	Alloy depletion	Thichness	adhesion
material	Inconel	Titanium	Inco 718	TBD	TBD

EXTERNAL SCHEMES to be conducted in 2013: To be defined



2014 AGS PTP proposal

Annual base

occasional base

DATA \ KITS	1-1	1-2	1-3	1-5	2-1
type of test	Tensile at room T°	Tensile at room T°	Tensile at room T°	Tensile at room T°	Tensile at T°
complementary info.	cylindrical	cylindrical	plate	Tubular	cylindrical
material	Titanium	Aluminium	Aluminium	Aluminium	Inconel

DATA \ KITS	3-1	3-2	4-1	5-1	5-2
type of test	Creep test	stress rupture test	K1c	charpy test	charpy test
complementary info.	cylindrical	cylindrical	straight notch	ambiente	ambiente
material	Titanium	Inconel	Aluminium	Steel	Steel

DATA \ KITS	6-1	6-2	6-3	7-1	9-2
type of test	hardness	hardness	hardness filiation	salt spray	HCF
complementary info.	HR - HV	HB - HRF	micro HV	mass loss	T type
material	Steel	Aluminium	carburised steel	steel	Aluminium

DATA \ KITS	8-1	8-2	8-3	8-4
type of test	Chemical analysis	Chemical analysis	Chemical analysis	Chemical analysis
complementary info.				
material	Aluminium	Ni base	Steel	Titanium

DATA \ KITS	10-1	10-2	10-3	10-4
type of test	metalography	metalography	metalography	Welding inspection
complementary info.	grain size	Alpha case	Alloy depletion	
material	Inconel	Titanium	Inco 718	TBD

EXTERNAL SCHEMES to be conducted in 2014: To be defined