



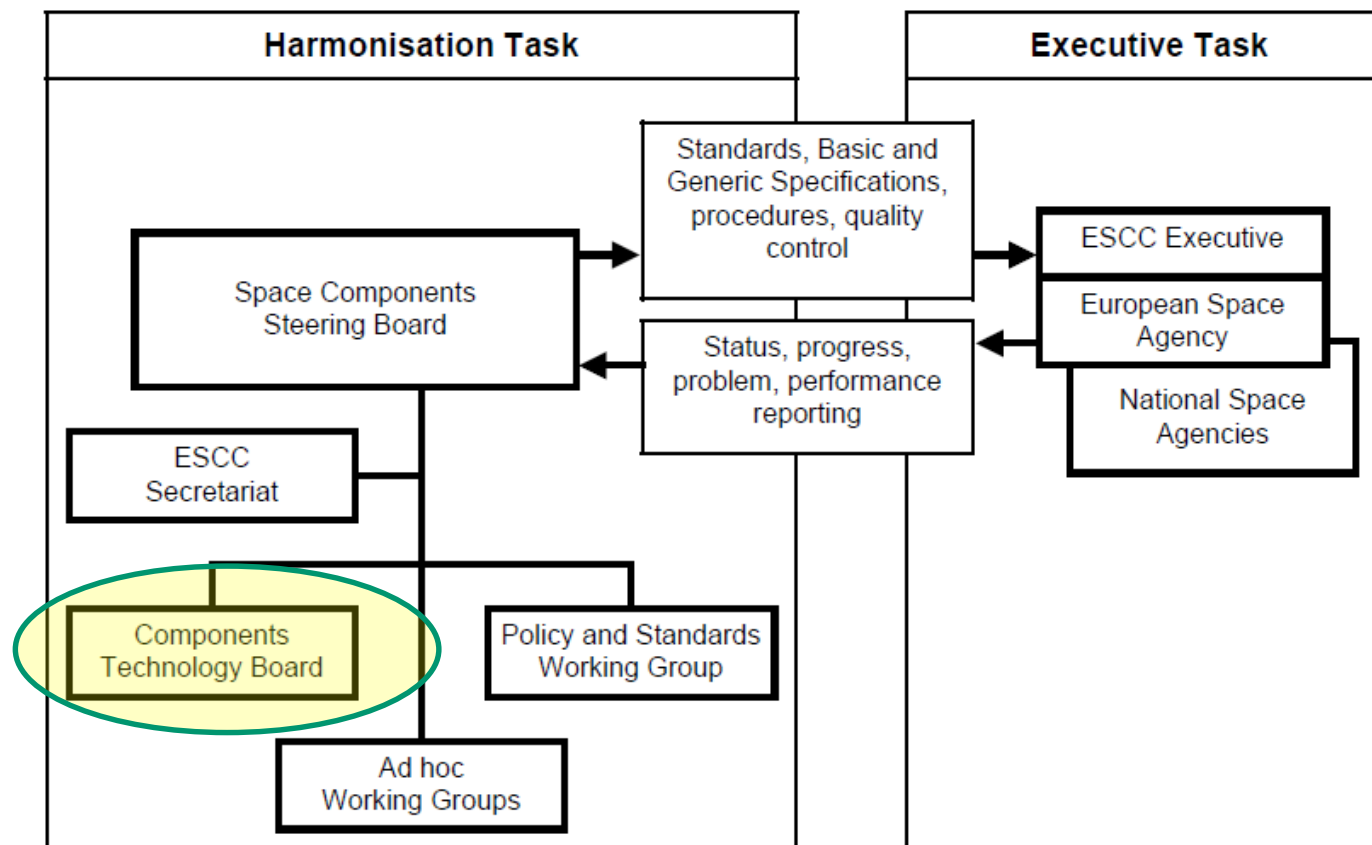
ESCCON 2016

**The ESCC Components Technology
Board (CTB)**

March 3, 2016

(Jean-Louis Cazaux)





- ✈ CTB: Component Technology Board
- ✈ An ESCC body, subordinate to the SCSB
- ✈ Created in October 2002 according to ESCC Charter 00000
- ✈ Defined by ESCC 10400 (Issue 2, July 2003)




The CTB is charged with **the formulation of strategic programmes and work plans for technology research and development** in the area of **European EEE space components**.

It **harmonises** the collectively funded component research, development, evaluation, qualification, standardisation and quality assurance activities.



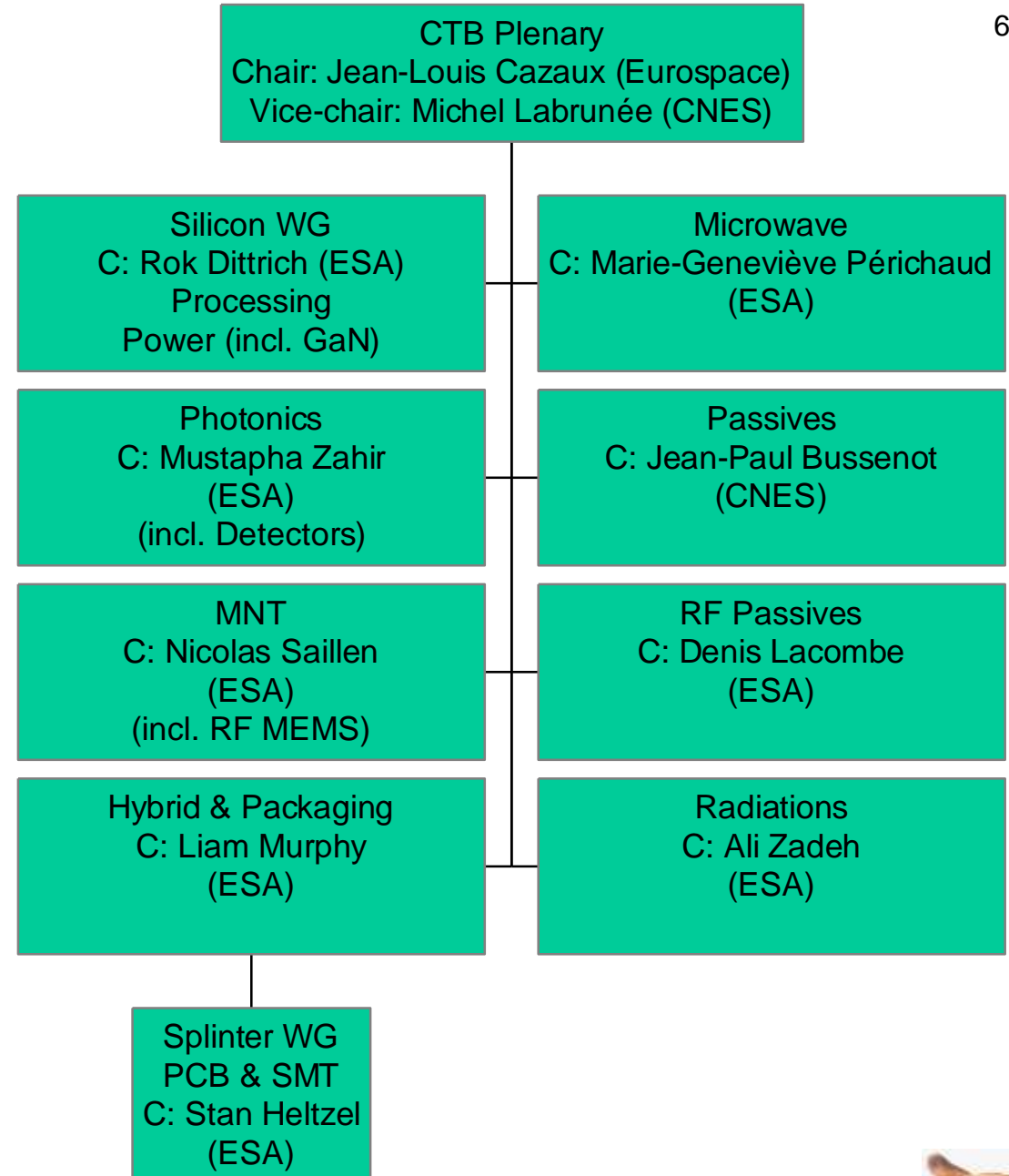
-  According to ESCC charter, members belong to 3 categories:
 -  – the European space component user industries collectively represented by Eurospace
 -  – the European EEE space component manufacturers
 -  – the European national and international public space organisations.








-  3 meetings of 1.5 day per year





Function	Affiliation	Members	Voting right	Other members (deputy)
Silicon Manufacturers	STM	Thibault Brunet		
				Yves Gilot
	ATMEL	Bernard Bancelin	X	
GaAs Manufacturers	UMS	Ulf Meiners	X	
Passive Manufacturers				
Hybrid Manufacturers	THALES ALENIA SPACE Belgium	Pascal Delporte	X	
	e2v	Jean-François Bruyeres		
Eurospace - CTB chairman	THALES ALENIA SPACE	Jean-Louis Cazaux	X	
Eurospace	ADS	Klaus Hirche	X	
				Richard Wiest
	THALES ALENIA SPACE	Ulisse di Marcantonio	X	
	OHB	Burak Gökgöz		
	RUAG Space	Andreas Billström		
	Alter	Gonzalo Fernandez Romero	X	
				Augustin Coello-Verra
DLR	TESAT	Ottmar Heger	X	
ASI	IMT	Giovanni Cuccinella	X	
CDTI				
UKSA	EEE Components Quality and Reliability Consultancy Ltd	John Wall	X	
CNES - CTB Dpty-Chair	CNES	Michel Labrunée	X	
CNES				Pierre Tastet
ESA	ESA	Laurent Marchand	X	
ESCC technical secretary	ESA	Ralf de Marino		

- 9 thematic Working Groups (WG) reporting to the “CTB Plenary”
- In total, and as for today, CTB WGs involve 155 individuals from 46 different organizations
- Materials issues now dealt by MPTB (Chair: Thomas Rohr, ESA) which directly reports to SCSB



-  Previous version is dating from 2012
-  Current task: updating / revisiting. / completing
Goal: May 2016 for 45th SCSB
-  To be easily and frequently updated: a living document
-  It will provide visions up to 2020 (mid-term) and 2025 (long term)
-  It is expected for ECI-5 but also for GSTP, TRP and hopefully to define future EC (H2020) priorities
-  Eurospace members will be asked to give volume estimates and expectations.
-  And after the roadmap? We will finalize the **workplan** to monitor all on-going and expected actions, and **technical dossiers** to document these actions.



-  1st Draft is compiled: 137 actions listed (out of Radiation WG):
57 P1 (total budget: 46 M€), 42 P2 (33 M€), 33 P3 (27 M€), 5 Px (7 M€)
-  Priorities expressed concern several funding scheme: ECI-5 is first target, but GSTP, TRP are in the radar. H2020 may select some actions for next calls.




Microwave: Advanced GaN for mmW ; SiGe

Next step of DSM: 28 nm or beyond – and related packaging and passive actions

GaN for Power supplies – and related packaging actions

Advanced PCBs for High Data Rate, higher freqs

Photonics components. CMOS Sensors. MOEMS Switchs. And more...

-  Very next tasks
 -  Budgets to be consolidated
 -  Prioritize the priorities in a single list



All what precedes is important but maybe there is something at least, as important...

Team spirit

Respect

Loyalty

Friendship

Common sense of common interest





END

