Missions of the LCA

Contents

Missions of the LCA

1. The LCA in few lines

- **Motivations**: Delivering the benefits of ubiquitous Light Communications to serve people & technologies, requires a far-reaching & coherent ecosystem working at a determined pace.

- **Missions**: Driving a consistent, focused & concise approach to market education that will highlight the benefits, use cases & timelines for Light Communications.

- **How**: Aligning leaders across every industry developing or envisaging business models using Light Communication systems & technologies by defining a standard of education in an efficient communication & co-operation frame.

2. Missions of the LCA

2.1. Driving a consistent, focused & concise approach to market education

The LCA mission is to structure activities around the Light Communication domain, at different levels: Publications, market analysis, use cases, liaison, technology, and management.
A work plan is proposed, and it will be revisited at the end of each year.

2.2. Highlight the benefits

The benefits expected are the followings:

- Creation of a community looking at this Light Communication domain, experiencing concrete approaches to solve fundamental problems in line with real needs.
- Acceleration when required for some actions, to be in time with the market through a push-pull process.
- Market enabling, through a strategic exploitation plan for some well-identified technologies or through actions in the standardization bodies.
- Reinforcement of the cross-interactions between partners to favor a multi-vendor dynamic when required.
- Reinforcement of the interactions with other industrial Alliances to help the light Communication Alliance to address some sensitive topics like the certification.
- Have high visibility on this Light Communication domain for a better position on a growing market.
- Push common white paper to give strong directions and help the transformation.

2.3. Define and revisit the use cases

The LCA will revisit regularly the use cases to identify where is the market in a time line. Therefore, this LCA will review at a periodicity close to twice a year, the different use cases. The objective is to be able to put a priority at a certain time on a technology, when requested. This can be also the opportunity to enlarge the scope of the technologies adapted to the problem as it was the case with the OCC. The second objective is to identify the requirements per use cases, to orient the technology choices.

2.4. Define a work plan

The LCA will propose a work plan through a vision giving the main target to reach, and intermediate action lines for each working groups of the LCA.

The figure 1 gives a first work plan in a time line and per working groups.

Year		WG 1			WG 2	WG 3	WG 4	WG 5
		Conferences	White-papers	Market Reports	Case-studies	Liaison	Technology	Management
2018	3Q		Dictionary Terminology/technology agreement	website launch				
	4Q	LiFi Forum				Alliance launch		TM registration
2019	1Q				Case-1	3GPP	Standards input	On-board CEO
	2Q	LiFi-Event-1 (Global)				IEEE & Wi-Fi Alliance	Spectrum alignment	Develop membership growth plan
	3Q		Near-term use-cases		Case-2	ITU-R		
	4Q			Report-1			Collaborative projects	
2020	1Q		Commercial challenges		Case-3	WFA integration		Event org.
	2Q	LiFi-Event-3 (Global)				3GPP link		
	3Q		Technical challenges		Case-4	802.11 LC Draft 2	802.11 LC Draft 1	
	4Q			Report-2		Start WFA certification test development		
2021	1Q		WiGig Adoption		Case-5			Event org.
	2Q	LiFi-Event-5 (Global)						
	3Q		Spectrum need and data density		Case-16	802.11 LC PUBLISHED		
	4Q			Report-3		WFA – LiFi Certification		
2022	1Q				Case-7			Event org.
	2Q	LiFi-Event-7 (Global)						
	3Q				Case-8			
	4Q			Report-4				

Figure 1: Workplan proposed.

Final objective: facilitate the emergence of products in this field.
Zoom on 2019:

- WG1: Conferences & publications, market monitoring
    o Contribution to the LiFi Event – 1 (Global).
        ▪ Submission of papers
        ▪ Physical participation
        ▪ Organization of meetings before or after the event
        ▪ Promote technologies through demos
    o Write a white paper on "Near-term use-cases"
    o Market Report at the end of 2019, on the activity of the WG1.
- WG2: Case studies
    o Revisit the use cases in the early part of 2019
    o Use cases in the third quarter of the year with corrected time line
- WG3: Liaison
    o Launch of the LCA end of January 2019
    o Participation to the 3GPP
    o Participation to the IEEE & WiFi Alliance meetings
    o Participation to the ITU-R
- WG4: Technology
    o Inputs for standards: presentation, formalization
    o Spectrum alignment
    o Collaborative projects end of 2019
        ▪ Identification of topics including Light Communication technologies
        ▪ Identification of a consortium
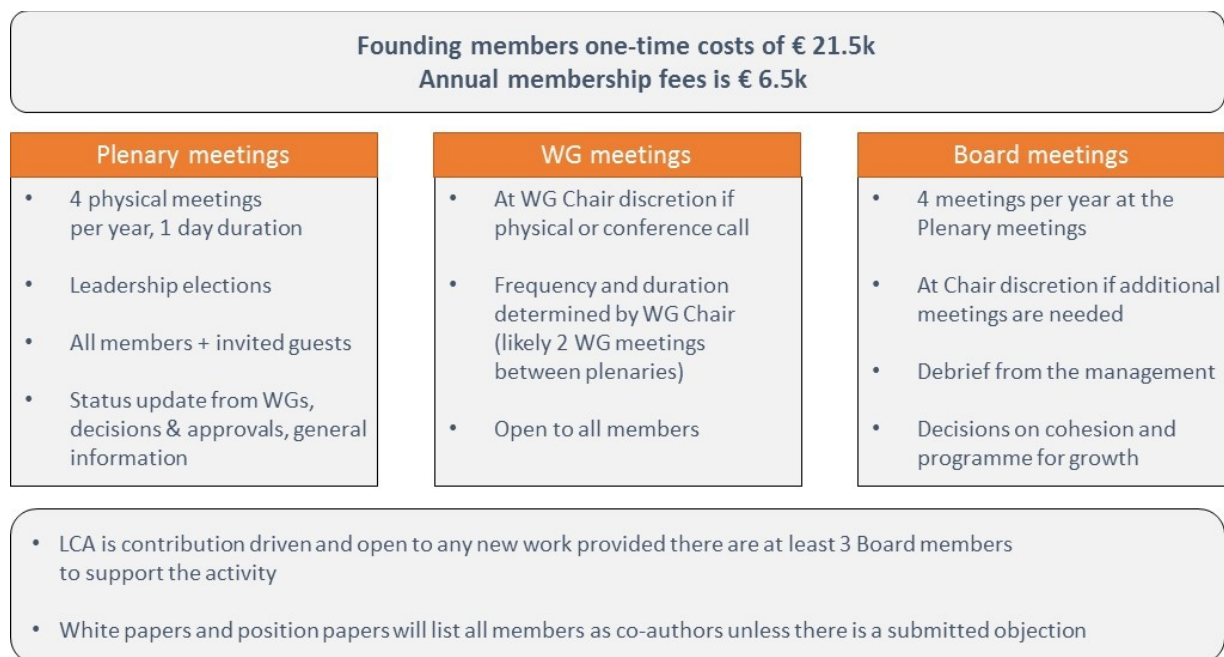   ▪ Mounting of a project, with a consortium agreement

- ▪ Identify deliverables and demos
- ▪ Communicate on results when it can be public
- WG5: Management
  - o On-board CEO
  - o Develop a membership growth plan

2.5.   Meetings targeted

Figure 2 shows a proposal for meeting.
The meetings are split into three categories:
- Plenary meetings
- WG meetings
- Board meetings

Additional meetings inside collaborative projects could be set up. The main outcomes of these meetings could be reported in each of the previous meetings listed.

Founding members one-time costs of € 21.5k
Annual membership fees is € 6.5k

Plenary meetings	WG meetings	Board meetings
• 4 physical meetings per year, 1 day duration	• At WG Chair discretion if physical or conference call	• 4 meetings per year at the Plenary meetings
• Leadership elections	• Frequency and duration determined by WG Chair (likely 2 WG meetings between plenaries)	• At Chair discretion if additional meetings are needed
• All members + invited guests		• Debrief from the management
• Status update from WGs, decisions & approvals, general information	• Open to all members	• Decisions on cohesion and programme for growth

- • LCA is contribution driven and open to any new work provided there are at least 3 Board members to support the activity
- • White papers and position papers will list all members as co-authors unless there is a submitted objection

Figure 2: Meetings at different levels

4 physical meetings per year will be organized in order to address at least aspects like:

- General information given
- Election of the leadership
- Status update from WG leaders.
- Decision & Approval

The first plenary physical meeting, the kick off, will let the WG leaders present their program and their workplan for the year.

8 WG meetings interleaved with the LCA physical meetings, open to all members.

4 board meetings are programmed, during the plenary LCA meetings. The objective of these meetings, will be to address structural topics in the objective to facilitate the growth of the Alliance.

2.6.   Contribute to the promotion of the domain

The mission of the LCA is also to promote the results of the LCAs but also the results obtained by the partners, when these results are public. More details are given in the communication document.