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IP Australia

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Blockchain Task Force

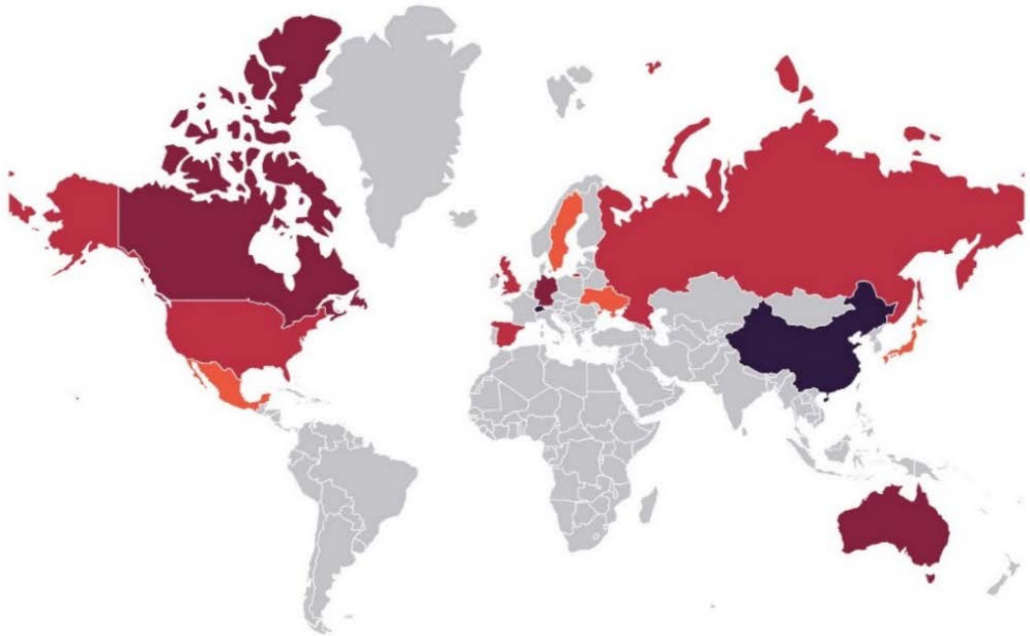
Task Force Progress Report- 1 July 2019

Geneva

Task Force leaders: IP Australia and Rospatent

Task Force progress report

- Proposals made by IP Australia and Rospatent to establish Blockchain Task Force at CWS/6
- Task Force formation agreed at CWS/6 with IP Australia and Rospatent designated co-leaders
- New Task created – Task No. 59
  - Explore
  - Collect
  - Develop and;
  - Prepare
- Circular C.CWS.108 issued to member states
- 14 responding IPOs (inclusive of the IB)
- Task Force wiki established
- Task Force members welcomed



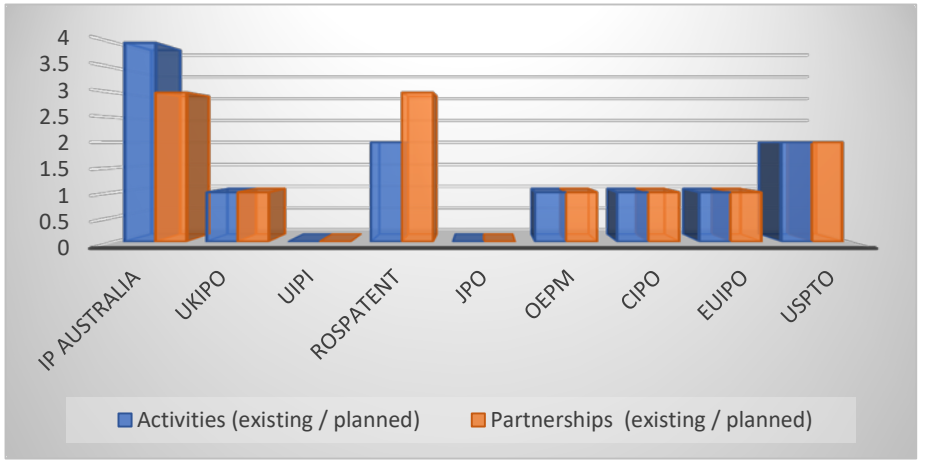
Task Force progress report (2)

- Task Force workplan (2018/2019) and roadmap disseminated
- Task Force objectives and draft standard scope statement posted for comment on wiki
- Round 1 discussions commenced - January 2019
    - Collect information about Task Force members developments in use of and experience with Blockchain
- Issued Blockchain Task Force members questionnaire / survey and received responses
- Assisted WIPO in planning and preparation of Blockchain workshop in Geneva
- Held Task Force meeting in Geneva – May 2019

Summary of Task Force member responses to survey

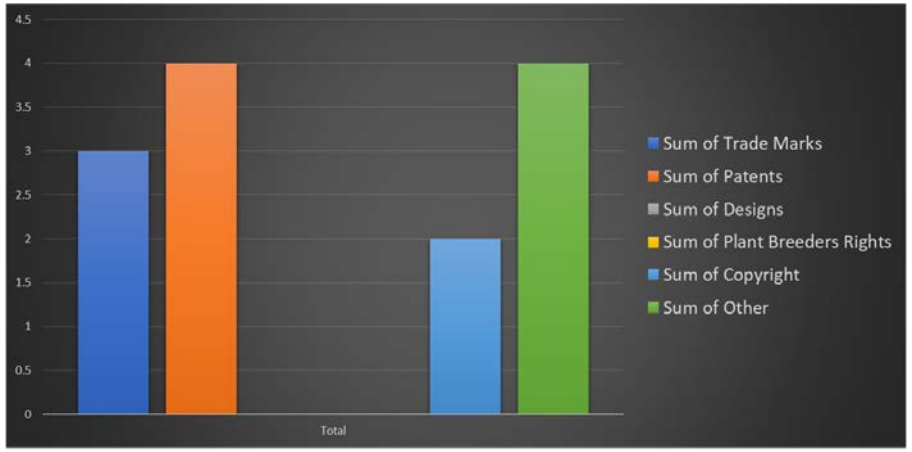
High value opportunity

Activities by organisation



Suggested joint projects

Activities by IP Right



Spreadsheet

Summary of Task Force member responses to survey (2) – Standardisation Candidates

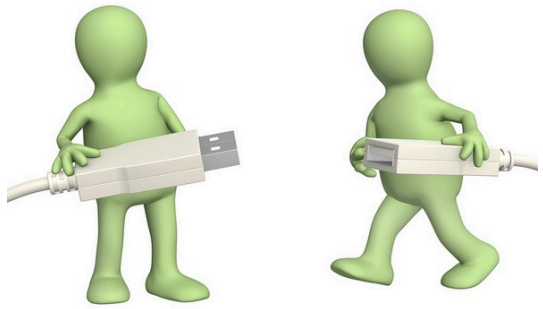
Terminology and Definitions
- Vocabulary dictionary
- Glossary of terms

Technologies and Interoperability
- Platform
- Security
- Types e.g. Smart contracts
- Coding language

Data
- On chain or off the chain
- OPI or non-OPI
- WIPO Standards e.g. ST.3

Participation
- Governance
- Consensus
- Identity management
- Public, Private, Permissioned

Standard provides reference models and business cases for application



Task Force Meeting – May 2019

Agenda focus

a) A review of the WIPO Blockchain workshop outcomes

b) Review and Discussion on the objective and scope of a new WIPO standard on blockchain.

c) Review and Discussion on Task Force member responses to survey on "use of and experience with blockchain"

d) Discussion of Standard Objectives and Inclusions for Standard Table of Contents

e) Future work, Industry guidance and potential use cases for proofs of concept projects

Review and Discussion on Task Force objective and scope of a new WIPO standard on blockchain

Objectives of Task Force:

a) Explore the possibility of using blockchain technology in the processes of providing IP rights protection, processing information about IP objects and their use;

b) Collect information about IPO developments in use of and experience with blockchain, assess current Industry Standards on blockchain and consider merit and applicability to IPOs;

c) Develop reference models of using blockchain technology in the IP field, including guiding principles, common practice and use of terminology as a framework supporting collaboration, joint projects and proofs of concept; and

d) Prepare a proposal for a new WIPO standard supporting the potential application of blockchain technology within the IP ecosystem.

Standard scope statement:

- This Standard aims to guide the Intellectual Property Offices (IPOs) and other Organizations that need to manage, store, process, exchange and disseminate IP data using Blockchain. It is intended that by using this Standard, the implementation of Blockchain can be simplified and accelerated in an interoperable manner within the IP ecosystem.

Proposed standard title:

- RECOMMENDATIONS FOR THE APPLICATION OF BLOCKCHAIN TECHNOLOGY WITHIN THE IP ECOSYSTEM

Discussion of Standard Objectives and inclusions for Standard Table of Contents

Draft Standard Objectives

1. For Intellectual Property Offices and other organizations to manage, store, process, exchange and disseminate IP data using Blockchain in an interoperable manner.

2. To provide a governance framework to support the IP ecosystem in blockchain adoption and use.

3. To provide guiding principles, common practice and use of terminology to support collaboration and blockchain initiatives

Draft Table of Contents

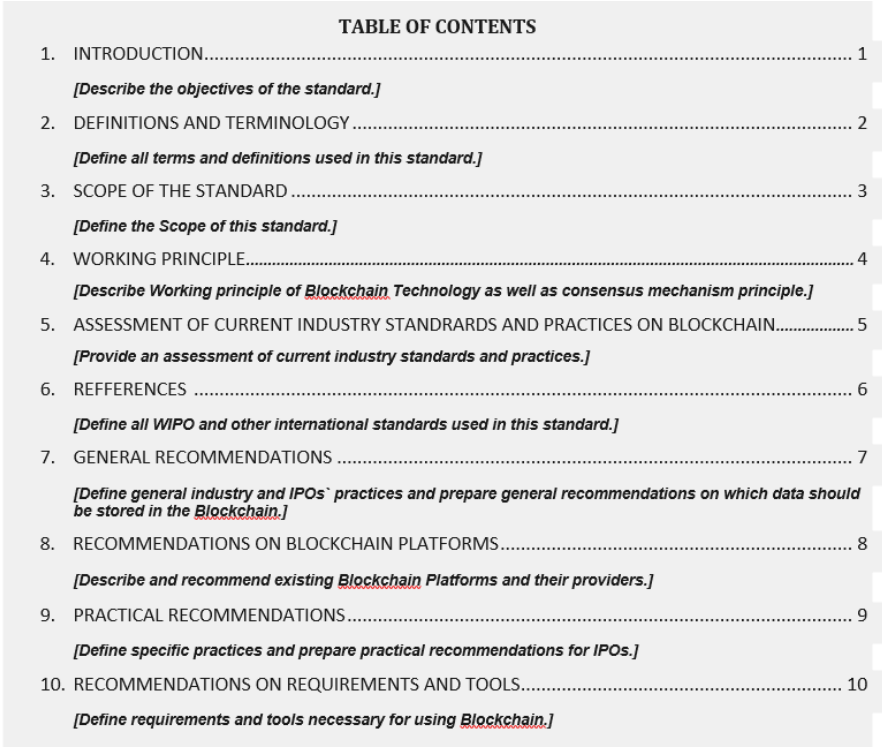


TABLE OF CONTENTS

Note: This should leverage TF member opinions on candidates for standardization as well as learning offered and gained from Industry experts e.g. Standards Australia / ISO and ISO/TC 307

Draft Table of Contents annotated during the TF meeting

STANDARD ST.??

RECOMMENDATIONS FOR THE APPLICATION OF BLOCKCHAIN TECHNOLOGY WITHIN THE IP ECOSYSTEM

TABLE OF CONTENTS

Use Cases

No.	Theme	Use Case(s)
1	IP Rights processing	• Smart contracts for service requests, e.g., PPH • Priority data / provisional filing • Evidence of use (TM) • Digital token / tokenisation of IP Right • Digital Trademark Registration Certificate
2	Enforcement	• Authenticity / Brand security • Infringement • anticounterfeiting
3	Identity	• Legal entity • Identity management • Identity reuse • Global Identifiers
4	Data Sharing	• Priority documents sharing (1,4) • Legal status data • Unpublished prior art • Other secure data exchange e.g. SFTP • Publication of information on Software (computer programs) and databases • International storage/database of 3D models

Use Cases

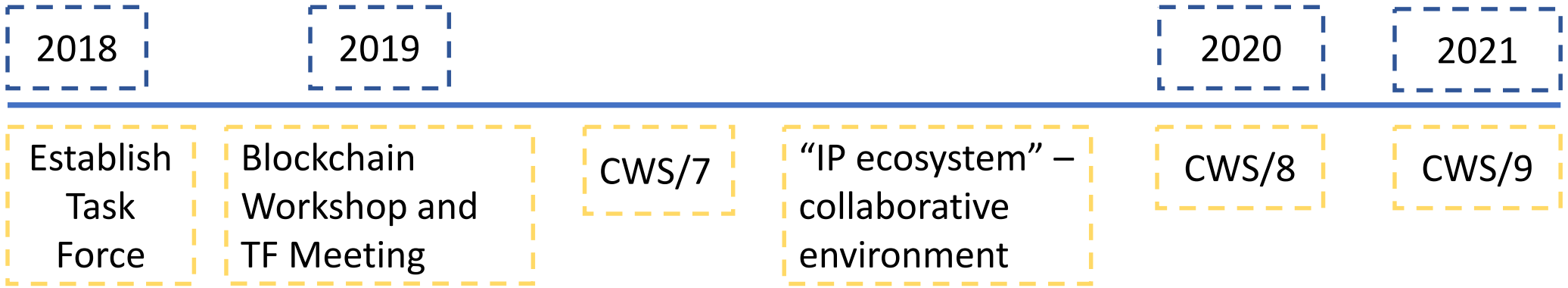
No.	Theme	Use Case(s)
5	Commercialisation	• IP Rights licensing • Copyright CMO • IP right transfer
6	Traceability	• Trade secrets / smart NDAs (sharing)
7	Ownership	• Evidence of ownership • Evidence of inventorship / creatorship • Trade Secrets (proof of possession)

2019/2020 Workplan

Round	Action	Planned Completion Date	completed	Deferred
1	Collect information from Task Force members on developments in use of and experience with blockchain including Task Force members business cases for future presentation and discussion	February 2019	☑	☐
	Prepare draft structure and questions of questionnaire on IPO use of and experience with blockchain	March 2019	☑	☐
	Provide working document to CWS	TBC	☑	☐
	Hold round 1 webex with Task Force members	March 2019	☐	☑
Blockchain Workshop	Present on IPA Blockchain Proof of Concept Present on candidates for standardization Face to Face Task Force meeting	April 2019	☑	☐
2	Modifications to draft Task Force objectives publication on wiki	May - June 2019	☑	☐
	Modifications to draft Standard scope publication on wiki	May - June 2019	☑	☐
	Draft Standard objectives publication on wiki	May - June 2019	☑	☐
	Draft Standard title publication on wiki	May - June 2019	☑	☐
	Draft standard Table of Contents publication on wiki	May - June 2019	☑	☐
	Use Cases (raw state) publication on wiki	May - June 2019	☑	☐
	Hold round 2 webex with Task Force members	June 2019	☐	☑
CWS/7	Prepare and Present Task Force report to CWS	July 2019	☐	☐
	Provide oral presentation on Task Force work including TF members survey results	July 2019	☐	☐
	Hold CWS Task Force Face to Face meeting	July 2019	☐	☑
	Provide 2019/2020 workplan	July 2019	☑	☐
3	WIPO to contact and coordinate with ISO for inclusion of Blockchain Task Force representation as liaison to ISO and specifically ISO TC/307	August 2019 -	☐	☐
	Refinement and prioritisation of Use Cases	August 2019 -	☐	☐
	Investigate and establish a collaborative environment for support of Use Cases and Standard development	August 2019 -	☐	☐
	Refine draft standard Table of Contents	August 2019 -	☐	

Round	Action	Planned completion date
3 (Post CWS/7)	WIPO to contact and coordinate with ISO for inclusion of Blockchain Task Force representation as liaison to ISO and specifically ISO TC/307	August 2019 - XXXX
	Refinement and prioritisation of Use Cases	August 2019 - XXXX
	Investigate and establish a collaborative environment for support of Use Cases and Standard development	August 2019 - XXXX
	Refine draft standard Table of Contents	August 2019 - XXXX

2021 Roadmap



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Blockchain Task Force

Thank you

Blockchain IPOs Survey

1) What areas do you consider blockchain to be a high value opportunity or potential threat in the field of IP
   a. Areas of importance focused on technology. *(i.e. Distributing networks, Immutability of records, shared trust etc.)*

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      .....
      .....

   b. Area of importance focused on IP Rights *(i.e. Enforcement, management, Identity, Commercialisation etc.)*

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      .....
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2) Blockchain related activities within your organization
   a. Existing or future projects, using blockchain technologies

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      .....
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   b. Partnership with private sector, industry members, IP professionals, Research authorities (i.e. universities) working in the Blockchain field

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   c. Please detail any office participation or planned participation in blockchain events such as (hackathons, conferences, government and industry research project/papers etc.)

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      .....

3) Does your office agree with the following scope statement for the Standard on Blockchain?

   This Standard aims to guide the Intellectual Property Offices (IPOs) and other Organizations that need to manage, store, process, exchange and disseminate IP data using Blockchain. It is intended that by using this Standard, the development of Blockchain can be simplified and accelerated in a harmonized manner and interoperability among IP Offices.

   Yes
   No
   If No, please indicate change / modifications required

   .....
   .....

4) Does your office agree with the following Objective for the Standard on Blockchain?
   a. For Intellectual Property Offices and other organisations to *manage, store, process, exchange and disseminate IP data using Blockchain in a standardised reusable manner.*
   b. To ensure that Industry best practice is followed and leveraged wherever applicable
   c. To establish a common technology framework to support IPO blockchain advancement and concurrent interoperability.
   d. A common practice and use of terminology to support collaboration and blockchain initiatives

5) Does your office have any comments on appendix 1.0 Draft Structure of Blockchain Standard, specifically its table of contents?

   Yes
   No
   If, No, please indicate changes / modifications required.

   .....
   .....

6) The Task Force has selected two Internal and two external facing blockchain proof of concept exercises for consideration by IPOs. These have been established by considering blockchains ability to resolve problems faced by IPOs and our customers.

   Please rank your preference as to which proof of concept should be targeted as a priority (H=high, M=Medium, L=low).

Internal	Rank	External	Rank
Immutable data sharing between offices e.g. Priority data		IP Rights Licensing	
Smart contracts e.g. automated renewals processes and record of ownership changes		Blockchain for priority filing	

7) Any other comments

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8) Contact information

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Link to editable questionnaire