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# SCDL - New planned Standard in ASAM

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# Plot

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## 1. Spread of SCDL (SCDLの普及)

- Body of the SCDL specification (SCDL仕様の本体)
- Development environment (開発環境)

## 2. Planning for ASAM-Standardization (ASAM標準化の計画)

- Expectations (期待)
- Activities in collaboration with ASAM (ASAMと連携した活動)
- Current status (現在の状況)
- Scope of standardization (標準化の範囲)
- Future planning (今後の計画)

# 1. Spread of SCDL

The screenshot shows the SCDL software interface. At the top is a menu bar with options like 'ホーム', 'モデル', 'ダイアグラム', '生成・出力', 'プロジェクト', '設計支援', 'コード', 'シミュレーション', '動作解析', and 'アドイン・拡張'. Below the menu is a toolbar with icons for home, project browser, search, and other functions. The main workspace is divided into several panes:

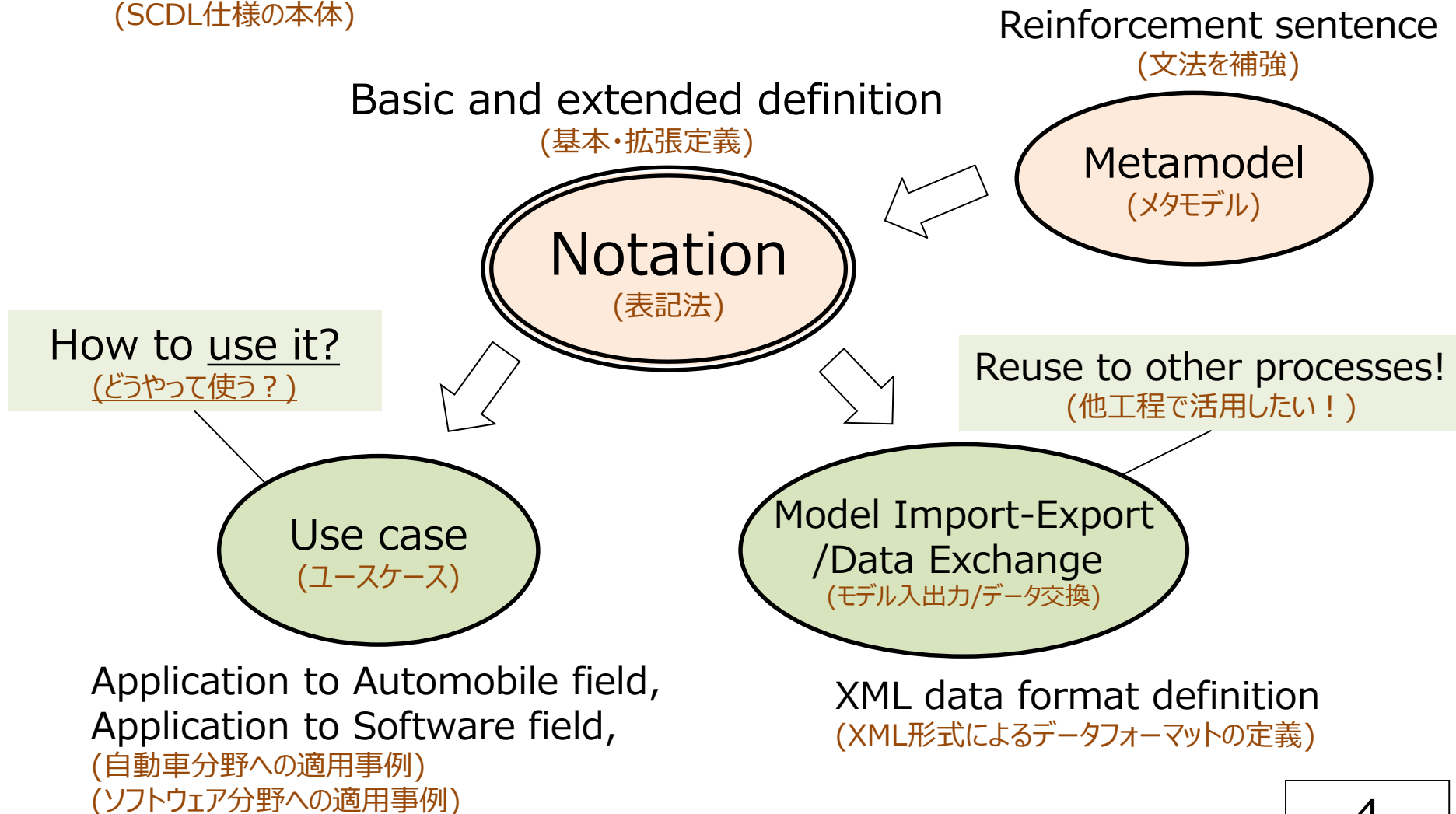
- プロジェクト...**: A tree view showing the project structure, including folders for 'TURN\_機能コンセプト', 'TURN\_安全分析', and 'TURN\_機能安全コンセプト'.
- ツール...**: A list of tools and relationships, such as '要素' (Elements) and '関係' (Relationships).
- ダイアグラム...**: A diagram view showing a zoomed-in section of the main diagram.
- 中央領域**: The main diagram area displaying a safety concept diagram. It features several functional blocks:
  - FR0**: Send requirement to UNIT A (green box).
  - FR1**: Receiving signal from UNIT X (blue box).
  - FR2**: Judgment of signal condition (blue box).
  - FR3**: Control signal ON/OFF (blue box).
  - SM1-1**: Input signal flag (orange box).
  - SM1-2**: Judgment of result (orange box).
  - SM2**: Error detection (orange box).
  - SM3-1**: signal change (orange box).
  - SM3-2**: output data c (orange box).

At the bottom of the interface, there is a status bar with the text: '(安全)要求配置図:TURN\_機能安全コンセプト; 作成日: 2018/08/20 更新日: 2018/08/28 9:53:33 56% 787 x 1130'.

# 1. Spread of SCDL

## ■ Body of the SCDL specification

(SCDL仕様の本体)

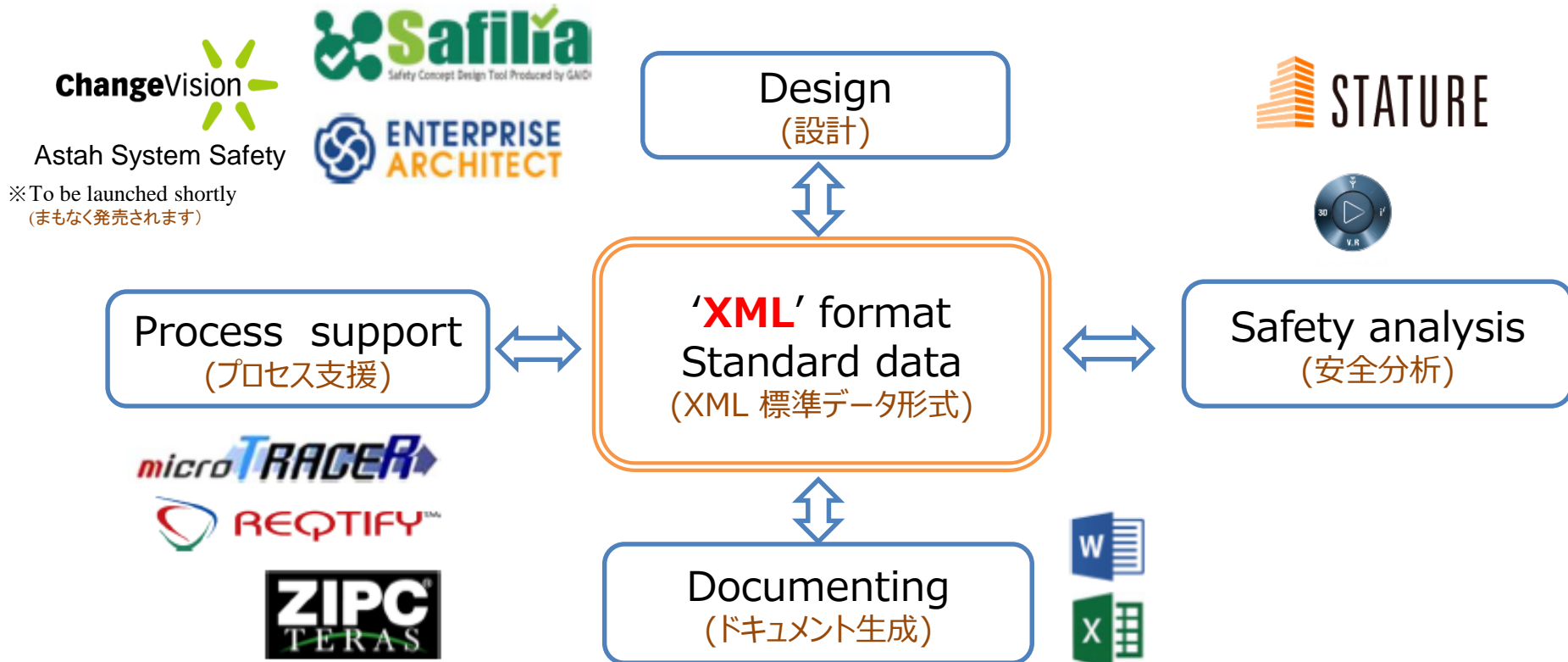


# 1. Spread of SCDL

## ■ Development environment (開発環境)

SCDL tool-chain is being spread by using XML standard data.

(SCDLツールチェーンはXML標準データで普及している)



## 1. Spread of SCDL (SCDLの普及)

- Body of the SCDL specification (SCDL仕様の主な構成要素)
- Development environment (開発環境)

## 2. Planning for ASAM-Standardization (ASAM標準化の計画)

- Expectations (期待)
- Activities in collaboration with ASAM (ASAMと連携した活動)
- Current status (現在の状況)
- Scope of standardization (標準化の範囲)
- Future planning (今後の計画)

## 2. Planning for ASAM-Standardization

### ■ Expectations (期待)

#### □ For a common language (共通言語への)

- To use common language with peace of mind beyond language and culture.

(言語や文化を超えて安心して使える共通言語)

#### □ For spreading SCDL (SCDL普及への)

- Spread of the corresponding tool-chain in global.

(グローバルで対応するツールチェーンの普及)

- To provide good solution for all engineers who is architecture development.

(アーキテクチャ開発する全てのエンジニアへ良いソリューションを提供する)

Reliable SCDL as an internationally recognized language.

(国際的に認められた言語として信頼できるSCDL)

## 2. Planning for ASAM-Standardization

### ■ Activities in collaboration with ASAM (ASAMと連携した活動)

Objective (目的)	Event (イベント名称)	Date (開催日)	Venue (開催場所)
SCDL introduction and information share. In domestic. (SCDL紹介と情報共有, [国内])	ASAM Regional Meeting Japan 2018	Apr. 25 2018	<b>Tokyo</b>
	ASAM OEM meeting Japan	Aug. 24 2018	Toyota-HQ, <b>Tokyo</b>
Practical workshop for SCDL (ワークショップによるSCDLの実践紹介)	Workshop SCDL	Sep. 5 2018	<b>Munich,</b> Germany
	Workshop SCDL	Jan. 21 2019	<b>Tokyo</b>
SCDL introduction and information share. In overseas. (SCDL紹介と情報共有, [海外])	ASAM General Assembly & Technical Seminar 2019	Mar. 27 2019	<b>Stuttgart,</b> Germany
Spreading activities 普及活動(国内外)	SCN-OC, ESEC Lectures' event...	Year-round	-



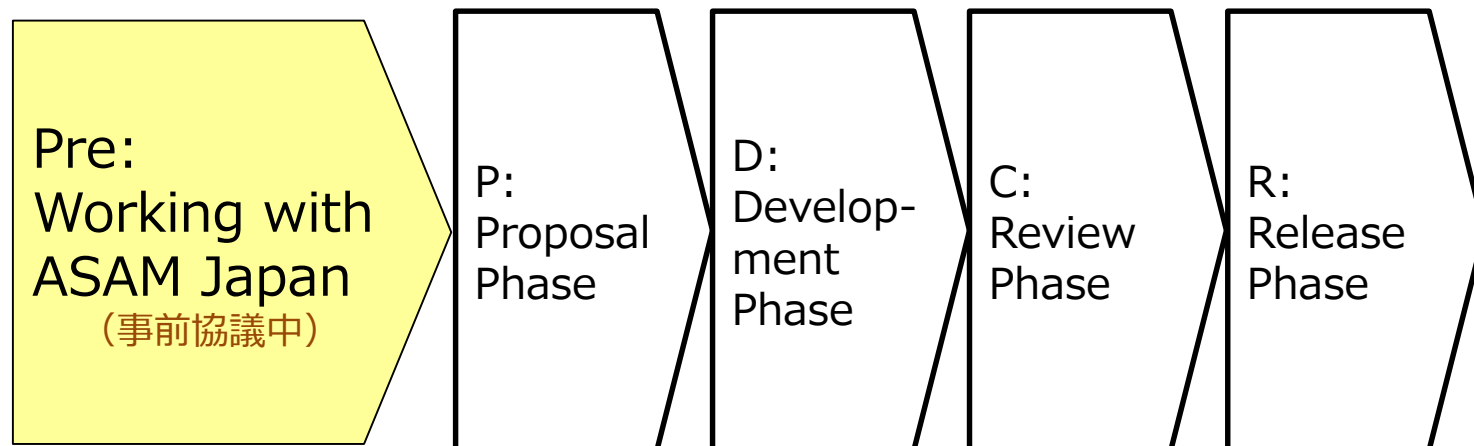
## 2. Planning for ASAM-Standardization

### ■ Current Status (現在の状況)

#### □ Pre-studying collaboration with ASAM Japan (ASAM Japanの協力を得て事前協議を進めている)

- Organizing issues, studying the solutions  
(課題の整理、解決策の検討をしている)

### ➡ Thinking to go to a proposal phase (プロポーサルへ進みたいと考えている)



Now

Standard development project(New)

## 2. Planning for ASAM-Standardization

### ■ Scope of standardization (標準化の範囲)

- Publish the specification used by users,  
(ユーザーが利用する仕様を公開する)
- The specification used by tool vendors are for ASAM members,  
(ツールベンダーが使う仕様はASAM会員のみ)

Target (対象)	Publish (公開)	Expectation (期待値)
Notation (表記法)	Open public (一般公開)	<ul style="list-style-type: none"> <li>• Spread widely as a notation (記法として広く普及させる)</li> <li>• Promote use of existing users (既存ユーザーの活用促進)</li> </ul>
Model Import-Export /Data Exchange (モデル入出力/データ交換)	ASAM member dedicated (ASAM会員)	<ul style="list-style-type: none"> <li>• Management of XML's Know-how (ノウハウの管理)</li> <li>• Global collaboration between tool vendors. (ツールベンダー間グローバル連携)</li> </ul>

## 2. Planning for ASAM-Standardization

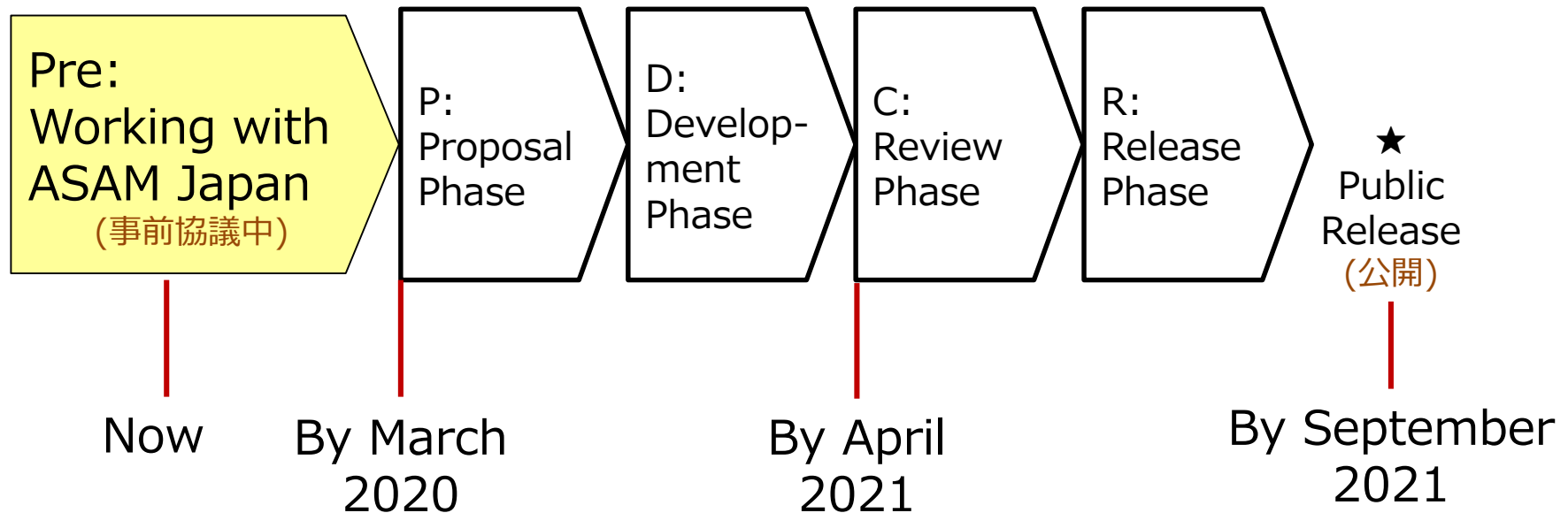
### ■ Future planning (今後の計画)

□ Advance to the Proposal by March, 2020

(2020年3月までにプロポーサルへ進みたい)

□ Within 1.5 years to publication

(1.5年以内に発行へ)



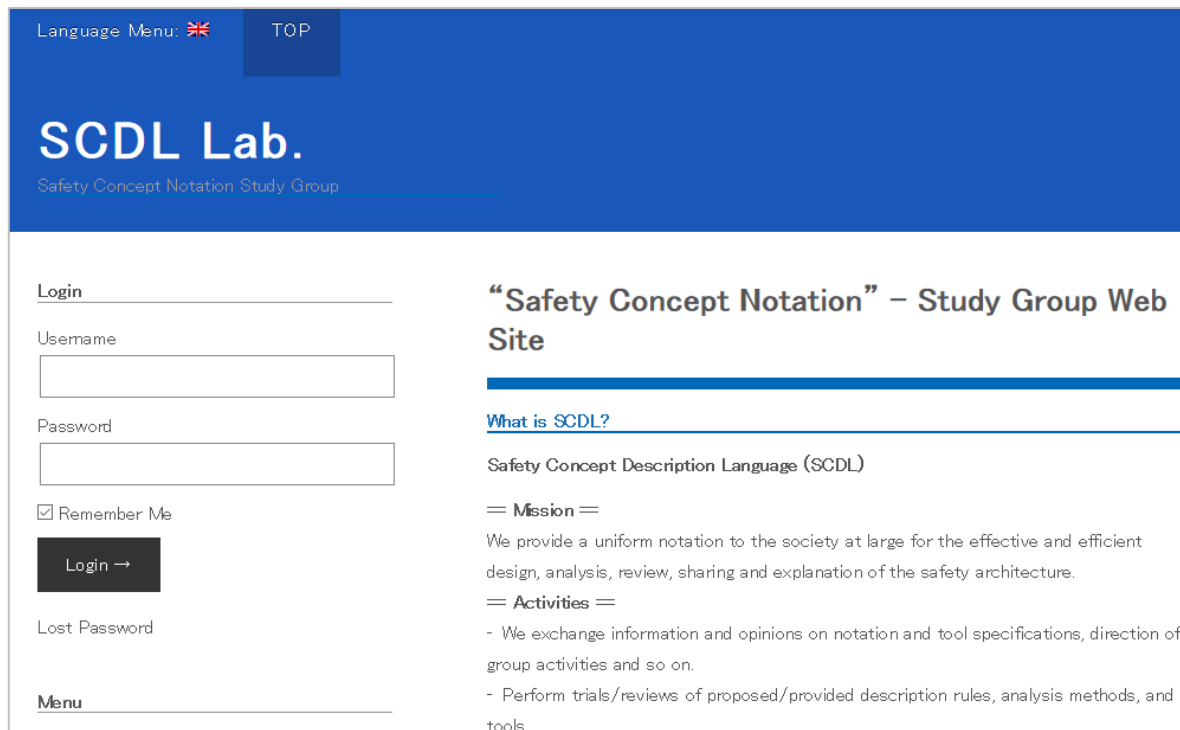
Prospective timeline (見込み予定)

Under Consideration (検討中)

## Additional information

■ Please, access to SCN-SG Web site. (アクセス下さい)

- Latest SCDL Specification [Eng:1.3, Jp:1.4] (SCDL最新版)
- SCN-SG activity information. (SCN-SG活動情報)
- Contact to us. (お問い合わせ)



The screenshot shows the website interface for SCN-SG. At the top left, there is a 'Language Menu' with a flag icon and a 'TOP' button. The main header features 'SCDL Lab.' and 'Safety Concept Notation Study Group'. On the left side, there is a login form with fields for 'Login', 'Username', and 'Password', a 'Remember Me' checkbox, a 'Login →' button, and a 'Lost Password' link. At the bottom left is a 'Menu' link. The main content area is titled '“Safety Concept Notation” – Study Group Web Site' and includes a link for 'What is SCDL?'. Below this, it defines 'Safety Concept Description Language (SCDL)' and lists its mission and activities.

SCN-SG

Search

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Thanks you!