

Guideline for Location Information Expression Format

位置情報表現形式ガイドライン

ITS FORUM RC-001

- ▶ **Guideline for location information services providers and contents creators**
位置情報サービスプロバイダ、位置情報コンテンツメーカーを利用者に想定した規格
- ▶ **Unified POIX_EX guideline established by combining the POIX_ARIB of the ITS Info-communications Forum and the POIX_MP of the former Association of Electronic Technology for Automobile Traffic and Driving (JSK)**
ITS情報通信システム推進会議のPOIX_ARIB、(旧)自走協のPOIX_MPを統合し、POIX_EXとした統一規格
- ▶ **Offer a location information expression method that applies ground features to supplement GPS data and prevent error in the traditional longitudinal and latitudinal expression method**
GPSの誤差への対策として経度緯度表現で不完全な位置を地物で表現可能

1 Exchange Standards Guideline: Establish basic information applicable to any location information service.

2 Description Format: The description format does not need to be specified. Location information is defined at the concept level. It is expressed in XML in the guideline.

3 Exchange Method: The exchange process is not specified. Service providers can freely specify the process in their service systems, such as the Internet and mobile networks.

4 Collaboration with Other Standardization Organizations: Collaboration regarding existing standards with the Mobile Office Promotion Association and Mobile Information Standard Technical Committee. Following this, a unified guideline was jointly developed with the former JSK.

5 Section of Structure Table

No.	1st layer	2nd layer	3rd layer	4th layer	5th layer	6th layer	7th layer	Remarks
1	poix_ex	poix+	format	datum				
2				unit				
3				type?				
4				author*				
5				time?				
6			poi	point	pos	lat		
7						lon		
52				icon?	icvendor			icon information
53					icsrc			
54			action*	exe_condition?				
55				kill_condition?				
56				execute+	built_in_function script applet objfile			

Location Representation with Features

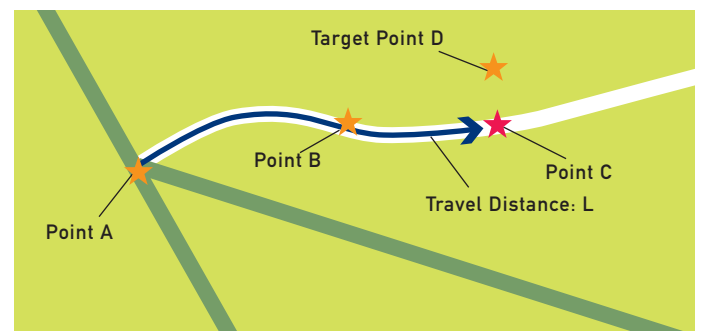


Fig. A Example location specified using ground features



Fig. B Example when 3 or more configuration points are needed

Brief Explanation of Figures A & B

Figures A and B show one of the features of this guideline. Since representation using longitude and latitude is incorrect, the location is expressed using ground features. For more details, refer to the brochure.