

Importance of Survey Marker Standard for ISO or FIG as de facto standard (9370)

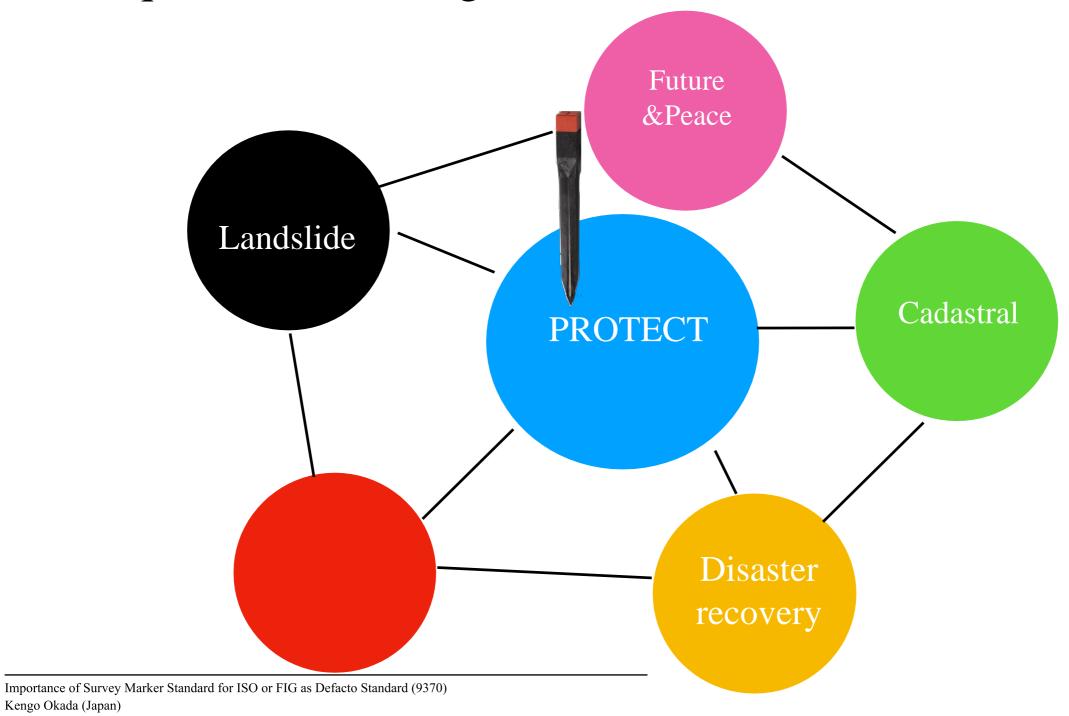
Kengo OKADA
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PROTECT

Markers protect us by marking our boundaries, monitoring earthquake, recovering disaster, landslide, etc.



Kengo Okada (Japan)

Survey markers around the WORLD



Worldwide there are many types of survey markers, Survey markers are the largest quantity of survey equipment used,

Currently there is NO World Standard for survey markers





ECO contribution and IoT Innovation by Survey Marker

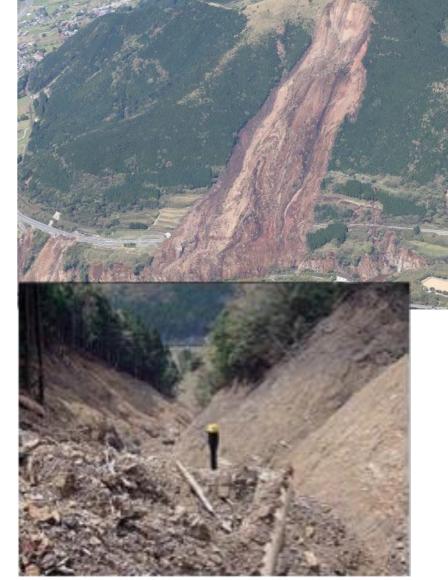






Sensor Marker Innovation

Cloud, AI, IoT GIS







Form 4: New Work Item Proposal

| Circulation date: Click here to enter text. Closing date for voting: Click here to enter text. | Reference number: Click here to enter text. (to be given by Central Secretariat) |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Proposer (e.g. ISO member body or A liaison organization) Japan Surveying Instruments Manufacturers Association. | ISO/TC 172./SC 6. □ Proposal for a new PC |
| Secretariat Click here to enter text. | N Click here to enter text. |

A proposal for a new work item within the scope of an existing committee shall be submitted to the secretariat of that committee with a copy to the Central Secretariat and, in the case of a subcommittee, a copy to the secretariat of the parent technical committee. Proposals not within the scope of an existing committee shall be submitted to the secretariat of the ISO Technical Management Board.

The proposer of a new work item may be a member body of ISO, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Technical Management Board or one of the advisory groups, or the Secretary-General.

The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information.

IMPORTANT NOTE: Proposals without adequate justification risk rejection or referral to originator.

Guidelines for proposing and justifying a new work item are contained in <u>Annex C of the ISO/IEC Directives</u>, <u>Part 1</u>.

The proposer has considered the guidance given in the <u>Annex C</u> during the preparation of the NWIP.

Proposal (to be completed by the proposer)

Title of the proposed deliverable.

English title: Marker for surveying :Part 1 Recycled plastic stake French title (if available):

Click here to enter text.

(In the case of an amendment, revision or a new part of an existing document, show the reference number and current title)

NWIP Scope

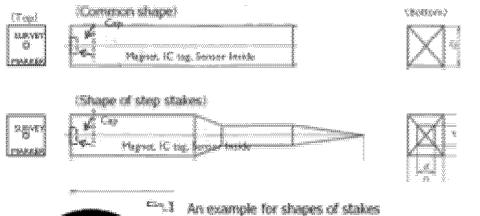
Survey Markers are used in achievement of boundary determination all over the world in surveying land such as boundary marking (cadastral surveys) with each country having its own standard and specification manual for boundary marker. Recycled Eco Stake have the flexibility to distribute as an advanced Marker in environmental and technical aspects.

FORM 4 - New work item proposal Version 01/2016

Shape

The top sectional shape of the Recycled plastic stakes shall be square.

Shape of the trunk has 2 types (common shape and shape of step stakes).



Dimensions

The dimensions of the Recycled plastic stakes shall be as the ones marked \square with given in Table.

| A side (D) | Length (L) | | | | | |
|---------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----|-------|--|
| | 400 | 450 | 600 | 700 | 900 | |
| 30 | | | | | | |
| 45 | | The party of the control of the cont | | | | |
| 70 | | | 7111111 | | THEFT | |
| 90 | | | | | | |

JIS(Japanese Industrial Standard) Survey Marker From 1984 Over 30 yearsf

Compressive Strength

Compress the stakes and measure hardness of the stakes.

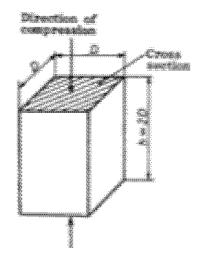


Fig.2. Test piece for compressive strengt

Impact Strength

snock with the falling weight, and check whether the stake is broken, cracked or chipped.

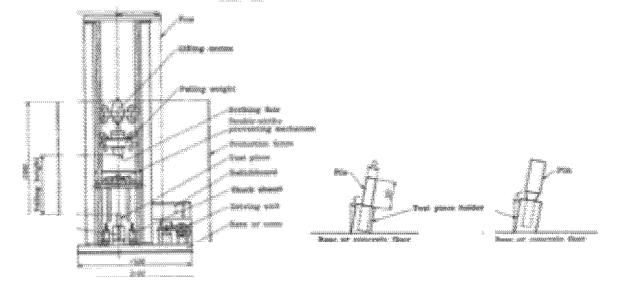


Fig.3. An ——— of falling weight impact testing –

World Survey Marker need ISO















Needed to establish Survey Marker standard:

- -Participation Member for ISO Working Group (TC172 SC6)
- -Member list for NWIP(New Work Item Proposal)
- -Liaison with FIG for making marker standard

Please Stand up for establish World Survey Marker Standard!!2018 Turkey





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