

The UD guideline IAUD pursues

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Study on IAUD Universal Design Matrix connecting makers and users”

Bunji Atsumi, Manager of Standardization Study Working Group

Standardization Study WG

Standardization Study WG is composed of members from 32 companies from a variety of industries. The activities of study on “Universal Design Matrix” will be presented today.

1. Activity Focus

Goals of our activity are to promote UD standardization utilized 1. among IAUD member companies, and 2. in the whole society.

2. Activities

The UD Matrix allows various industry makers to analyze diverse users, to clarify concerns and requirements and to guide how UD is incorporated. The tool enables

1. to understand characteristics of the user
2. to understand relation between products and users’ operating behavior
3. to select items to consider while product development
4. to find accommodating level and its method.

UD Matrix is composed as follows:

Horizontal axis: Classifies levels of human functions, i.e., abilities to function, according to physical difficulties.

Vertical axis: Inputs detailed operating information for each product.

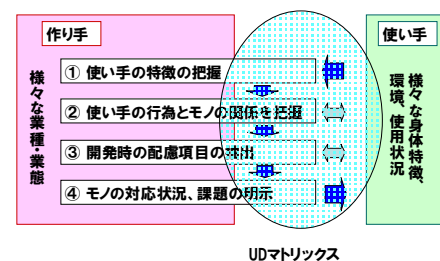
In the Matrix: Input level of accommodation or methods of accommodation at each operating step.

Detailed classifications of the matrix were made based on the interview with experts and

Interview with Experts



Concept of UD Matrix



Understanding Users

	←横軸 人の属性→
	<ul style="list-style-type: none"> ・どんな人があるか？ ・主にどのような特徴を持つか？ ・どのくらい(人口)いるのか？ ・原因は、病名は？ ・自助具、支援機器などとの関係は？

Setting Operating Tasks

↑縦軸 タスク↓	<ul style="list-style-type: none"> ・各製品から共通要素を抽出して基本タスクとする。 ドアを開ける、乗り込む、シートベルトをする、…… 運搬する、携帯する、電源を入れる、カードを入れる、入り口から入る、ドアをあける、カギをかける、便座を開ける、… ・自家用車、電子機器全般、公共設備など各分野ごとに。

Method of Accommodation

	視覚〇〇	聴覚〇〇
電源を入れる	<ul style="list-style-type: none"> ・電源が入ったことを視覚以外でも分かるようにする。 例：音で知らせる形で知らせる 	<ul style="list-style-type: none"> ・電源が入ったことを聴覚以外でも分かるようにする。 例：ランプで知らせる表示パネルがつく

on-site investigation with the Mobile Space Project.

3. Future Action

The UD Matrix will be improved through the actual usage among IAUD member companies. The Matrix will be considered to be available for general public.

UD Guidelines for the IAUD Bulletin

Eiko Sakayori, Manager of Public Relations Group

1) IAUD Public Relations Group Activities

As means for sharing information among members and publicizing our activities, the Association publishes a bulletin, maintains an official website, and distributes an e-mail newsletter, among other efforts. In the course of production, members contribute their knowledge as we attempt to put UD concepts into practice. Members offer insight from various industries, extending beyond the field of printing and related business to signage and advertising, design (including multimedia design), and electronics manufacturing, among others.

2) IAUD Bulletin Production, Investigation of UD Guidelines for Publications

In the context of printed booklets such as bulletins, UD is currently not a hot topic, and practical standards for UD still seem to be lacking. Nevertheless, we have followed particular UD guidelines and basic design policies in production and editing since our premier issue in fiscal 2004. We have applied this approach in each issue so far (up to Number 4) as we refine and adjust our methods. By adhering to these guidelines in production, we have been able to ensure a consistent level of UD.

3) UD Guidelines for the IAUD Bulletin

The guidelines comprise the following eight points. (Each point is further subdivided, for 24 criteria in all.)

1. Being aware of our audience and the function of the IAUD Bulletin
2. Employing easy-to-use methods and materials
3. Employing easy-to-understand expressions and descriptions
4. Creating an easy-to-understand layout
5. Employing easy-to-read characters and format
6. Awareness of color tone and contrast
7. Using illustrations effectively
8. Utilizing multi-media and secure information technology

4) Looking ahead

We are currently clarifying the basis for establishing guidelines; from existing data, consulting specialists, and gathering audience opinions as we articulate the guidelines and verify their effectiveness. We will express the guidelines themselves more clearly (to make them more broadly applicable) and publicize them so that they are widely understood and adopted.



IAUD bulletin cover design



Bulletin pages in Japanese and English.

Universal Design for Conferences

Tetsuya Muroi, Manager, of Working Environment Project

1. Significance of Universal Design for Conferences

Conferences play an essential role in promoting plans and activities at work and in groups. Compared with large-scale communication opportunities, such as seminar venues equipped with information systems, including the required equipment and the PC summary scribe service, and small-scale communication venues, such as individual interviews where communication can be conducted fully targeting the interviewees, no solid UD support method has been established for a conference, a medium-scale communication opportunity comprising about ten people where decisions are made while exchanging opinions. The Working Environment Project team of IAUD, therefore, has been investigating universal designs for conferences.

2. Three Principles of Universal Design for Conferences

The Working Environment Project team has developed a proposal on a universal design for conferences by first identifying the problems involved in conferences in terms of the purpose, then visiting member companies, universities, and advanced institutions to observe cases, and finally conducting interviews with researchers and individuals who are physically handicapped. A proposal was thus developed, entitled Three Principles of UD for Conferences.

In addition, based on the Three Principles of UD for Conferences, we are now building a database of solutions with due consideration for the equipment, space, and people.

1. An environment that enables every member to communicate with others where

- All participants feel free to express their views and opinions, and
- Information is shared among all members.

2. Equipment to which every member has ready, unfailing access

3. An environment in which every member feels safe and comfortable participating

