

## Digital publishing System as well as its effect on Map Production

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Traditional map reproduction workflow means the process procedure from original map to printing products. It can be separated into 3 main stages; Pre-press, Press and Post-press. Along with the developing of technology, this 3 sub-procedure has different contents and methods, especially in electronic publishing system time. The pre-press work and the digital mapping can use the same computer, so it is very difficult to separate them apart. We can put all map pre-press data processing work into a digital map publishing system that connects with the information source and the print productions.

First the article describes develop of the map reproduction from analogue method to digital method, as well as the new conception of map production.

Second the article introduces the new technology of digital publishing system. The new system includes data input; data process and data output function. It can receive map data from deferent resource, process graphic, image, and text together and publish various paper map or digital map; also it can transfer the map data to different place and publish them at different place.

Last the article introduce the new technology in map production, for example: Computer to Proof; Computer to Plate; Computer to Print. Using computer to plate we can get map print plate without plate making stage, also using computer to print method we connect digital print machine with computer and get print map from the machine quickly.