MULTIPURPOSE USE OF ORTHOPHOTO MAPS FORMING BASIS OF DIGITAL CADASTRE DATA AND THE VISION OF THE GDLRC
Base Map Production

In order to complete rural cadastre, 1/5000 scaled base map production has been carried out for 480,000 km² area after 1955 by photogrammetric method ...

Digital Orthophoto production has been started after 2007 for cadastral renovation and update works for the purposes of decision-support, quality control and establishing legal basis.
Orthophoto Map – Usage at Cadastre
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ORTHOPHOTO INFORMATION SYSTEM
Orthophoto Map Production Process
Aerial Image Acquisition

Aerial photography services for aerial image acquisition are provided by 2 airplanes equipt with digital aerial camera in GDLRC.
Orthophoto Map Production - Planning

- Considering requests made by the Department of Cadastre,

- Orthophoto map production areas are determined annually within the context of Joint Map Production Protocol signed with the General Command of Mapping since 2010.
Orthophoto Map Production Situation – General
15-30-50 cm GSD
Orthophoto Maps - Web Services (WMS)

http://harita.tkgm.gov.tr

Ortho image – Softcopy Delivery

1.75 USD / Km²
WMS - Images taken from Airplane and Satellite
ORTHOPHOTO PRODUCTION WITH B/W ARCHIVE AERIAL PHOTOGRAPHS
Existing Situation;

Old-dated aerial photographs within the archive of GDLRC, whose orthophotos were not produced, are demanded and used by Cadastre Directorates at renewal and update of cadastral maps.

It is quite hard to use these images at cadastral works, which are not in orthophoto format, having no coordinates & scale and including errors arising from field slope.

Aerial Photograph+Cadastre; Orthophoto+Cadastre;
Current

Production of **Archieve Orthophotos** by scanning 1/16.000 scaled aerial photos taken for 1/5.000 scale standard topographic map production over an area about **480.000 km²** has been contracted. Project is finished by Jan 2016.
Thank you…

GEOMATICS DEPARTMENT

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