

High Efficiency Trail Assessment Process HETAP 3 Software

Quickly and accurately collects objective information for the assessment of trails and sidewalks

Station Data Recording

- Automated recording of grade, cross slope, and distance at all stations— Allows manual recording and editing
- Automatic GPS position capture at all stations with 15-ft. X Y location and 50 ft. elevation using Garmin GPS 18
- Raw data spreadsheet editing of grade, cross slope, tread width, surface information, and GPS data
- Automatic tracking of in- or out-slope trail tread
- Previous station data always visible
- Automatic image capture of trail at all stations using an auto-focus USB camera
- Programmable alarms provide smart station feedback on changing grade and cross-slope conditions
- Automatic carry over of repeating entries including tread width and surface category and type
- Forward and backward recording mode with highlighted background
- Supports metric or non-metric use

Feature Data Recording

- Feature recording of feature type, size, remaining tread width, and actions required
- Editing and manual entry of feature information allowed for any distance location
- Provides for the objective recording of surface firmness and stability using a Rotational Penetrometer
- Manual image capture of features

System Features

- Semi-automated file naming to streamline organization of park, trail, and segment data structure
- Data Center allows combining, reversing, and splitting of trail segments
- Supports creation of Trail Access Information
- Cover sheet for reporting park, trail, and segment information
- Data Center allows creation of reports with sorting of features by type, height, remaining tread width, etc.
- Data Center allows creation of reports with sorting of station-specific grade, cross slope, tread width, and surface information
- Service available to create ArcGIS shapefile from Excel export

Computer Hardware and Operating System Requirements

- Windows 7 or 10 compatible
- Three USB ports required for sensor box, GPS, and camera
- Water-resistant laptop or tablet suggested; 1 GHz processor or above; minimal RAM and hard drive requirements



For more information,
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