

HM History Groups Form Instructions

HM12-500

**Implementation
Engineering Operations - 1**

***HM History Groups
Form Instructions***

**HM12-500
Release 500
9/95**

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Table of Contents

1 INTRODUCTION

- 1.1 Purpose
- 1.2 Scope
- 1.3 Prerequisites
- 1.4 Required Documents

2 GENERAL INSTRUCTIONS

- 2.1 Overview
- 2.2 Organization of This Publication

3 SPECIFIC INSTRUCTIONS

- 3.1 HM History Groups Configuration Form HM88-500
- 3.2 HM88-500 Form Entries

INTRODUCTION Section 1

This section tells you what this publication is about and what other publications you may need to understand HM History Groups Configuration.

1.1 PURPOSE

This publication provides general and specific instructions for entering configuration data into the *History Module History Groups Form* publication in the *Implementation/Configuration Forms* binder. This form is designed to facilitate the collection and organization of data for subsequent entry into the TDC 3000 System through the Universal Station.

1.2 SCOPE

Use the HM History Groups Form and the HM History Groups Configuration Display to assign parameters in data points to one of the history groups that are defined in part, on the Volume Configuration form and its corresponding display. For more information refer to the instructions on Continuous History Units and Groups and Continuous History Group Options in the *Network Form Instructions* in the *Implementation/Startup & Reconfiguration-1* binder.

1.3 PREREQUISITES

Before using this publication for filling in configuration forms, you should:

- Be familiar with the guidelines for configuring history groups and for continuous history configuration. These guidelines are provided in the “HM Configuration and Use” section of the *Engineer’s Reference Manual*, in the *Implementation/Startup & Reconfiguration - 2* binder.
- fill out configuration forms as described in *Network Form Instructions*, in the *Implementation/Startup & Reconfiguration - 1* binder.

1.4 REQUIRED DOCUMENTS

The following publications should be available for reference when using this publication:

“HM Configuration and Use” section of the *Engineer’s Reference Manual*, in the *Implementation/Startup & Reconfiguration - 2* binder.

History Module History Groups Form, HM88-500, in the *Implementation/Configuration Forms* binder must be available to enable data collection as described in this publication. (A sample form HM88-500 is included in this publication, next to the instructions for filling in the form.)

Data Entity Builder Manual, SW11-511, in the *Implementation/Engineering Operations - 1* binder tells you how to enter the data from the forms into the system.

GENERAL INSTRUCTIONS

Section 2

2.1 OVERVIEW

The HM History Groups Configuration Form Instructions that are given in this publication describe the entries that are to be made on the configuration form. The form is designed to match the "screen form" (CRT display) that is part of the TDC 3000 Configurator function; thus, the instructions given in this publication correspond to configuration data entries as they are entered into the system through the Universal Station on a line-by-line basis.

2.2 ORGANIZATION OF THIS PUBLICATION

This publication is organized to correspond to the structure of the Configurator function that relates to HM History Groups configuration. The form for which instructions are given is directly related to the menu selection ("touch target") on the Engineer's Main Menu in the right-hand column ("HM History Groups"). This menu selection leads directly to the "screen form" display, which has its counterpart in the configuration form that is described in this publication.

3.2 HM88-500 FORM ENTRIES

Table 1 provides instruction for assigning points to historization groups. The number of History Groups in each Unit and the archive options for each group should have been previously defined as a part of Network Configuration. (Refer to *Network Form Instructions*, particularly as it applies to Forms SW88-506 and SW88-515.)

The total number of History Groups permissible for all units collectively in each History Module is 120. History Groups can be configured for snapshots and/or user averages, (a maximum of 100 units per network), or neither. Each History Group can include up to 20 historizable parameters, such as process points' PVs, SPs, OPs, etc., provided that the historized value is a real number.

Table 1 — Entries for HM History Groups Configuration Form

LINE	NAME	DATA ENTRY	REMARKS
1	CH HEADER UNIT ID	Enter 1 or 2 characters	The Unit ID must be entered exactly as it was entered on Continuous History Unit and Groups Display portion of the Volume Configuration Form. (Refer to <i>Network Form Instructions</i> .)
	HISTORIZATION GROUP	Enter 1 to 3 numeric digits.	The Historization Group number, relative to the unit, ranges from 1 to 120. (The number of a particular Group assigned to a particular Unit is automatically assigned on the Edit Continuous History Archive Options Display. Refer to <i>Network Form Instructions</i> .)
	STANDARD ARCHIVING	No entry.	These items appears in the display, but include "view only" ports that are automatically filled in with data that was previously entered. Prearchiving period (SNAPSHOT and/or USER AVERAGES) appear only as applicable.
	SAVE SNAPSHOTS/ USER AVERAGES	"	
PREARCHIVING	"		
PERIOD SHAPSHOTS PREARCHIVING	"		
PERIOD USER AVERAGES	"		

(continued)

Table 1 — Entries for HM History Groups Configuration Form (continued)

LINE	NAME	DATA ENTRY	REMARKS
2	ENTITY.PARAMETER (INDEX)	For each of up to 20 process points per History Group, (as applicable) enter up to 16 characters each for ENTITY, and 8 for PARAMETER and INDEX. Decimal point and parentheses must be included.	ENTITY = identifier of a process point. PARAMETER = identifier of a value in a process point. INDEX = identifier of a variable in an array; for example, a Custom Data Segment built with Control Language could be an array of parameters.
	COMPR. DEADBAND	NOT USED	General Remarks: Where possible, the assignment of points to groups should correspond to the assignment of points to Group displays and the assignment of points to Unit Trend displays. Multiple real-number parameters can be entered for each entity. Examples: A100.PV A100.SP A100.OP A200.PV A200.SP

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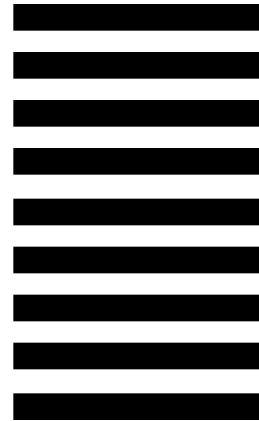
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