



# **IEEE Recommended Practice for Preparation of Equipment Specifications for Speed-Governing of Hydraulic Turbines Intended to Drive Electric Generators**

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**IEEE Power Engineering Society**

Sponsored by the  
Energy Development and Power Generation Committee

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**Energy Development and Power Generation Committee  
of the  
IEEE Power Engineering Society**

Approved 7 June 2007

**IEEE-SA Standards Board**

**Abstract:** This recommended practice is intended to assist users with the preparation of procurement specifications for electric-hydraulic speed governors.

**Keywords:** control, digital, governor, hydraulic, hydroelectric, speed, stability

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## Introduction

This introduction is not part of IEEE Std 125-2007, IEEE Recommended Practice for Preparation of Equipment Specifications for Speed-Governing of Hydraulic Turbines Intended to Drive Electric Generators.

This recommended practice assists users with procurement specifications for turbine governing systems for hydroelectric generating units. It is recommended this document be used in conjunction with companion document IEEE Std 1207™.<sup>a</sup> This recommended practice is designed to be a reference document for practicing engineers in the hydroelectric industry and offers guidance for what elements of a turbine governing system need to be specified.

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## Contents

1. Overview .....	1
1.1 Scope .....	1
1.2 Purpose .....	1
1.3 Disclaimer .....	1
1.4 Use of IEEE Std 125 .....	2
2. Normative references .....	2
3. Definitions .....	3
4. Functions and characteristics .....	4
4.1 Control actuator position .....	4
4.2 Control actuator stroke .....	4
4.3 Control actuator time .....	4
5. Equipment specifications .....	5
5.1 General specifications .....	5
5.2 Governor and auxiliary functions .....	7
5.3 Other optional functions .....	14
5.4 Hydraulic pressure supply system .....	16
5.5 New installation considerations .....	21
5.6 Replacement and conversion considerations .....	22
5.7 Redundancy .....	23
5.8 Failsafe features .....	23
5.9 Dual-regulated turbines .....	24
5.10 Additional governor-controller functions .....	26
5.11 Environmental specifications .....	27
5.12 Software .....	28
5.13 Interface to other plant systems .....	29
5.14 Operator interface .....	30
5.15 Personnel safety features .....	30
5.16 Spare parts and accessories .....	31
5.17 Product support .....	32
6. Performance specification .....	32
6.1 Stability .....	32
6.2 Permanent speed droop .....	34
6.3 Deadband .....	34
6.4 Deadtime .....	35
6.5 Governor damping adjustments .....	35
7. Information provided by the manufacturer .....	36
7.1 Information to be provided at the time of submission of proposals .....	36
7.2 Information to be provided after contract award .....	36
7.3 Test procedures .....	37
7.4 Rehabilitation and conversion considerations .....	38
8. Governor testing .....	38
8.1 Factory acceptance testing .....	38
8.2 On-site acceptance testing .....	39



9. Information provided by the specifier .....	41
Annex A (informative) Bibliography .....	44
Annex B (informative) Glossary .....	46
Annex C (normative) Mode control logic .....	47
C.1 Droop mode control logic .....	47
C.2 Governor mode control logic .....	47
Annex D (normative) Tables .....	49



# **IEEE Recommended Practice for Preparation of Equipment Specifications for Speed-Governing of Hydraulic Turbines Intended to Drive Electric Generators**

## **1. Overview**

### **1.1 Scope**

This document recommends performance characteristics and equipment for electric-hydraulic governors for all types of hydraulic turbines intended to drive electric generators of all sizes. This recommended practice is applicable to new governors and rehabilitation of existing governors.

### **1.2 Purpose**

This recommended practice is intended to assist users with the preparation of procurement specifications for electric-hydraulic speed governors.

### **1.3 Disclaimer**

This recommended practice is intended to help users develop the technical portion of procurement specifications for electric-hydraulic speed governors. It does not cover the commercial portion of the procurement specification. It does not cover governor equipment installation procedures.