

# NRC INSPECTION MANUAL

DIRS

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2515/103	Loss of Decay Heat Removal (Generic Letter No. 88-17) 10 CFR 50.54(f) – Programmed Enhancements (Long Term) Review 12/18/89 (reactivated 09-015)
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65001.08	Inspection of ITAAC-Related Installation of Electric Components and Systems 08/19/08 (08-024)
65001.09	Inspection of ITAAC-Related Installation of Electric and Fiber Optic Cable 08/05/09 (09-019)
65001.10	Inspection of ITAAC-Related Installation of Instrument Components and Systems 10/20/08 (08-029)
65001.11	Construction Inspection Program Inspection of ITAAC-Related Containment Integrity and Containment Penetration 08/19/08 (08-024)
65001.12	Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021)
65001.13	Inspection of ITAAC-Related Installation of Load Handling Equipment and Fuel Racks 08/05/09 (09-019)
65001.14	Inspection of ITAAC-Related Installation of Complex Systems with Multiple Components 07/29/08 (08-021)
65001.15	Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019)
65001.16	Inspection of ITAAC-Related Engineering 10/03/07 (07-030)
65001.17	Inspection of ITAAC-Related Security Structures, Systems, and Components 10/15/09 (09-024)
65001.18	Inspection of Emergency Planning ITAAC 10/30/08 (08-030)
65001.19	Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029)
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6700 Reserved

6800 Reserved

6900 Non-Power Reactor Inspection

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- 69002 Class III Research and Test Reactors 02/03/04 (04-004)
- 69003 Class I Research and Test Reactor Operator Licenses, Requalification, and Medical Examinations 02/03/04 (04-004)
- 69004 Class I Research and Test Reactor Effluent and Environmental Monitoring 02/03/04 (04-004)
- 69005 Class I Research and Test Reactor Experiments 02/03/04 (04-004)
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- 69007 Class I Research and Test Reactor Review and Audit and Design Change Functions 02/03/04 (04-004)
- 69008 Class I Research and Test Reactor Procedures 02/03/04 (04-004)
- 69009 Class I Research and Test Reactor Fuel Movement 02/03/04 (04-004)
- 69010 Class I Research and Test Reactor Surveillance 02/03/04 (04-004)
- 69011 Class I Research and Test Reactor Emergency Preparedness 02/03/04 (04-004)
- 69012 Class I Research and Test Reactors Radiation Protection 02/03/04 (04-004)
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- 70301 Overall Preoperational Test Program Review Requirements 10/01/83 (reactivated 08-032)
- 70302 Preoperational Test Program Implementation 10/01/83 (reactivated 08-032)
- 70304 Engineered Safety Features Test - Preoperational Test Procedure Review 08/06/03 (03-028)
- 70305 Reactor Protection System Test Preoperational Test Procedure Review Preoperational Testing Procedure Verification 01/01/79 (reactivated 08-032)
- 70306 Loss of Offsite Power Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70307 Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13)
- 70308 Preoperational Hot Functional Testing - PWR Procedure Review 10/01/83 (reactivated 08-032)

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70311	Preoperational Testing Procedure Verification 10/01/83 (reactivated 08-032)
70312	Preoperational Test Witnessing 10/01/83 (reactivated 08-032)
70313	Containment Integrated Leak Rate Test 11/12/85 (85-36)
70314	HFT Witnessing 10/01/81 (reactivated 08-032)
70315	Engineered Safety Features Test Preoperational Test Witnessing) 01/01/79 (reactivated 08-032)
70316	Loss of Offsite Power Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032)
70317	Reactor Protection System Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032)
70323	Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)
70324	Preoperational Test Results Evaluation - Integrated Hot Functional Test 04/01/77 (reactivated 08-032)
70325	Preoperational Test Results Evaluation - Reactor Protection System 01/01/79 (reactivated 08-032)
70326	Preoperational Test Results Evaluation - Loss of Offsite Power 01/01/79 (reactivated 08-032)
70329	Preoperational Test Result Evaluation Verification 10/01/83 (reactivated 08-032)
70331	Vibration Test- Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70332	Control Rod System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70333	Chemical Control System Test - Preoperation Test Procedure Review 01/01/79 (reactivated 09-003)
70334	Engineered Safety Features Act. Sys.Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70335	Safety and Relief Valve Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70336	Residual / Decay Heat Removal System Test - Preoperational Test Review 01/01/79 (reactivated 09-003)
70337	Main Stream Isolation Valve Test - Preoperational Test Procedure Review) 01/01/79 (reactivated 09-003)
70338	Auxilliary Feedwater System Test -Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70339	Component Cooling Water System Test - Preoperational; Test Procedure Review 01/01/79 (reactivated 09-003)
70340	D.C. Power System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70341	Emergency/Standby Power Supply System Test - Preoperational Teat Procedure Review 01/01/79 (reactivated 09-003)
70342	Containment Combustable Gas Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
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70345	Containment Heat/Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70346	Aux. Bldg. Heat /Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70347	Pressurizer and Level Control System Test- Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70348	Main Feedwater Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70349	Reactor Coolant Leak Detection System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70350	Loose Parts Monitoring System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70351	Integrated Reactor Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70352	Remote Reactor Shutdown Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70353	Cranes, Hoists and Lifting Equipment Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70354	Nuclear Instrumentation System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70355	Compressed Gas System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70362	Reactor Coolant System Hydrostatic Test Procedure Review 10/01/83 (reactivated 08-032)
70367	Reserved for Part 52 Pre-operational Test Program Implementation
70368	Reserved for Part 52 Containment Leak Rate Testing (Programmatic)
70369	Reserved for Part 52 Containment Leak Rate Testing
70370	Testing Piping Support and Restraint Systems 03/07/86 (86-13)
70371	Reserved for Part 52 Testing of Pipe Support and Restraint System
70400	Preoperational Test Results Evaluation 10/01/83 (reactivated 08-032)
70431	Vibration Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70432	Control Rod System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70433	Chemical Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70434	Engineered Safety Features Act. Sys. Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70435	Safety and Relief Valves Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70436	Residual / Decay Heat Removal System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70437	Main Stream Isolation Valve Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70438	Auxilliary Feedwater System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)

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70439	Component Cooling Water System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70440	D.C. Power System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70441	Emergency / Standby Power Supply System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70442	Containment Combustible Gas Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70443	Containment Spray System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70444	Containment Isolation Valve Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70445	Containment Heat/Cool/Vent. System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70446	Auxiliary Bldg. Heat/Cool/Vent. System Test - Preoperational Test Witnessing
70447	Pressurizer and Level Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70448	Main Feedwater Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70449	Reactor Coolant Leak Detection System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70450	Loose Parts Monitoring System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70451	Integrated Reactor Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70452	Remote Reactor Shutdown Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70453	Cranes, Hoists and Lifting Equipment Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70454	Nuclear Instrumentation System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70455	Compressed Gas System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70462	Reactor Coolant System Hydrostatic Test - Test Witnessing 10/01/83 (reactivated 08-032)
70562	Reactor Coolant System Hydrostatic Test Results Evaluation 10/01/83 (reactivated 08-032)
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71111.01	Adverse Weather Protection (Effective 01/01/10) 11/09/09 (09-026)
71111.04	Equipment Alignment 02/27/07 (07-007)
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71111.05AQ	Fire Protection (Annual / Quarterly) (Effective 01/01/10) 11/16/09 (09-027)
71111.05N	Reserved for Fire Protection - NFPA 805 (Triennial)
71111.05T	Fire Protection (Triennial) 12/24/09 (09-032)
71111.05TTP	Fire Protection-NFPA 805 Transition Period [Triennial] 12/24/09 (09-032)
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71111.11	Licensed Operator Requalification Program 1/05/06 (06-001)
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71111.12	Maintenance Effectiveness (Effective 01/01/10) 11/16/09 (09-027)
71111.13	Maintenance Risk Assessments and Emergent Work Control 01/31/08 (08-005)
71111.13	Maintenance Risk Assessments and Emergent Work Control 11/16/09 (Effective 01/01/10) (09-027)
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71111.17	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications 10/31/08 (08-031)
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71122.03	Radiological Environmental Monitoring Program (REMP) 01/24/03 (03-001)
71124	Reserved for Radiation Safety - Public and Occupational 12/02/09 (09-030)
71124.01	Radiological Hazard Assessment and Exposure Controls 12/02/09 (09-030)
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71124.07	Public Radiation Safety 12/02/09 (09-030)
71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation 12/02/09 (09-030)
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71130.06	Protection of Safeguards Information 01/07/10 (10-001)
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71130.09	Owner-Controlled Area Controls 12/10/08 (08-035)
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71130.11	Material Control & Accounting (MC&A) 12/10/08 (08-035)
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71130.14	Review of Power Reactor Target Sets 01/27/10 (10-003)
71150	Discrepant or Unreported Performance Indicator Data 01/04/07 (07-001)
71151	Performance Indicator Verification 06/28/07 (07-021)
71152	Identification and Resolution of Problems 02/26/10 (10-008)
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71303	Part 52, Technical Specifications Review 10/20/08 (08-029)
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71801	Decommissioning Performance and Status Review at Permanently Shutdown Reactors 08/11/97 (97-012)
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72303	Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and Test Results Evaluation 09/05/06 (06-021)
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72400B	Overall Startup Test Program 07/01/80 (80-16)
72401	Reserved for Part 52 Overall Setup Test Program
72500B	Initial Fuel Loading Procedure 04/30/75 (75-16)
72501	Reserved for Part 52 Initial Fuel Load Procedure Review
72502B	Initial Criticality Procedure Review (BWR) 04/30/75 (75-16)
72504B	Heat-up Phase Procedure Review 04/30/75 (75-16)
72508B	Power Ascension Procedure Review: HPCI System 07/01/80 (80-16)
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72510B	Power Ascension Procedure Review - Relief Valves and MSIVs 04/30/75 (75-16)
72512B	Startup Test Procedure Review - RCIC or Recirculation Pump Trip 04/30/75 (75-16)
72514B	Startup Test Procedure Review - Turbine Trip/Generator Trip 07/01/80 (80-16)
72516B	Startup Test Procedure Review - Shutdown From Outside the Control Room (Group A) 07/01/80 (80-16)
72517B	Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16)
72518B	Startup Test Procedure Review - Core Performance 07/01/80 (80-16)
72524	Initial Fuel Loading Witnessing 01/20/84 (84-04)
72525	Reserved for Part 52 Initial Fuel Load Witnessing
72526	BWR Initial Criticality Witnessing 01/20/84 (84-04)
72532	Power Level Plateau Data Review (BWR) 01/20/84 (84-04)
72564B	Pre-critical Test Procedure Review - Protective Trip Circuit or Rod Drop Measurement 07/01/80 (80-16)
72566B	Pre-critical Test Procedure Review - RES Lead Test or or Pressurizer Effectiveness 07/01/80 (80-16)
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72583B	Power Ascension Test Procedure Review: Shutdown from Outside the Control Room (Group B) 07/01/80 (80-16)
72584B	Power Ascension Test Procedure Review - Evaluation of Flux Asymmetry or Pseudo Rod Ejection Test 04/30/75 (75-16)
72592	PWR Initial Criticality Witnessing 01/20/84 (84-04)
72596B	Pre-critical Data Review 07/01/80 (80-16)
72600B	Power Level Plateau Data Review (25% PWR) 07/01/80 (80-16)
72608B	Power Level Plateau Data Review (50% PWR) 07/01/80 (80-16)
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7300 In-service Inspection

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73053	Pre-service Inspection – Observation of Work and Work Activities 01/01/79 (reactivated 07-034)
73054	Part 52, Pre-service and In-service Inspection - Review of Program 07/01/08 (08-019)
73055	Pre-service Inspection Data Review and Evaluation 01/01/79 (reactivated 07-034)
73753	In-service Inspection 06/24/98 (98-010)
73754	Reserved for Part 52 In-service Inspection - Observation of Work and Work Activities
73755	In-service Inspection - Data Review and Evaluation 01/14/86 (86-03)
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7400 Reserved

7500 Reserved

7600 Reserved

7700 Reserved

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7900 Water Chemistry

79501 LWR Water Chemistry Control and Chemical Analysis – Audits  
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79502 Plant Systems Affecting Plant Water Chemistry 12/31/91  
(reactivated 08-032)

79503 Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis  
(Pre-Op and Supp)

79504 Reserved for Part 52 Plant systems Affecting Plant Water Chem.

79702 Control and monitoring of Radiological Source Term  
04/17/00 (00-006)

8000 Environmental Protection

80210 Environmental Protection - Initial and Periodic Inspections  
06/22/05 (05-016)

80211 Reserved for Part 52 Environmental Protection - Initial & Periodic  
Inspection

80521 Radiological Environmental Monitoring (Preoperational and  
Supplemental) 01/01/84 (reactivated 08-032)

80522 Part 52, Radiological Environmental Monitoring Program (REMP)  
07/01/08 (08-019)

80721 Radiological Environmental Monitoring 09/17/01(01-017)

8100 Physical Security

81001 Independent Spent Fuel Storage Installations 09/17/01 (01-017)

81001.1 Independent Spent Fuel Storage Installation(s) at Operating Plants  
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81018 Physical Security Plan and Implementing Procedures 05/24/07 (07-  
17)

81019 Reserved for Part 52 Security Plan & Implementing Procedures

81020 Management Effectiveness - Security Program 06/13/07 (07-019)

81021 Reserved for Part 52 Management Effectiveness

81023 Reserved for Part 52 Security Organization

81022 Security Organization 06/13/07 (07-019)

81034 Security Program Audit 09/10/07 (07-027)

81035 Reserved for Part 52 Security Audit Program

81038 Records and Reports 09/10/07 (07-027)

81039 Reserved for Part 52 Records & Reports

81042 Testing and Maintenance 04/12/07 (07-013)

81043 Reserved for Part 52 Testing & Maintenance

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81047 Reserved for Part 52 Locks, Keys & Combinations

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81053 Reserved for Part 52 Physical Barriers - Protected Areas

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81055	Reserved for Part 52 Physical Barriers - Vital Areas, Material Access Areas & Controlled Access Areas
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81059	Reserved for Part 52 Security System Power Supply
81062	Lighting 09/10/07 (07-027)
81063	Reserved for Part 52 Lighting
81064	Compensatory Measures 09/10/07 (07-027)
81065	Reserved for Part 52 Compensatory Measures
81066	Assessment Aids 09/10/07 (07-027)
81067	Reserved for Part 52 Assessment Aides
81070	Access Control - Personnel 12/22/08 (08-037)
81071	Reserved for Part 52 Access Control - Personnel
81072	Access Control (Power Reactor) - Packages 05/09/84 (84-15)
81073	Access Control (Fuel Facility) - Packages, Material, and Strategic Special Nuclear Material (SSNM) 08/05/09 (09-019)
81074	Access Control - Vehicles 12/22/08 (08-037)
81075	Reserved for Part 52 Access Control - (Power Reactors) – Packages
81076	Reserved for Part 52 Access Control - Vehicles
81078	Detection Aids - Protected Areas 11/23/09 (09-028)
81079	Reserved for Part 52 Detection Aids - Protected Areas
81080	Detection Aids – MAA and CAA 12/22/08 (08-037)
81081	Reserved for Part 52 Detection Aids - VA, MAA, & CAA
81084	Alarm Stations 09/10/07 (07-027)
81085	Reserved for Part 52 Alarm Stations
81088	Communications 09/10/07 (07-027)
81089	Reserved for Part 52 Communications
81120	Inspection Requirements and Guidance for Additional Security Measures for the Physical Protection in Transit for Radioactive Material Quantities of Concern 04/01/10 (10-010) (Note this IP contains safeguards material)
81310	Physical Protection of Shipments of Irradiated Fuel 12/22/08 (08-037)
81335	Physical Protection of Shipments of Special Nuclear Material of Moderate Strategic Significance (SNM-MSS) 12/02/09 (09-029)
81340	Physical Protection of Shipments of Special Nuclear Material of Low Strategic Significance (SNM-LSS) 11/23/09 (09-028)
81360	General Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 12/02/09 (09-029)
81365	Records, Reports, and Planning for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 11/23/09 (09-028)
81370	Specific Requirements for Physical Protection of Formula Quantities of Special Nuclear Materials in Transit 12/22/08 (08-037)
81402	Reports of Safeguards Events 11/23/09 (09-028)

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81431	Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance 12/02/09 (09-029)
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81502	Fitness for Duty Program 12/22/08 (08-037)
81503	Reserved for Part 52 Personnel Training and Qualification - Gen. Requirements
81504	Fitness for Duty Program for Construction 10/15/09 (09-024)
81601	Safeguards Contingency Plan - Implementation Review 12/22/08 (08-037)
81602	Reserved for Part 52 Safeguards Contingency Plan - Implementation Review
81700	Physical Security Program for Power Reactors 07/01/97 (97-010)
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