



Ndtee Services Pvt. Ltd



AN ISO 9001 : 2000 Company

NSIC-CRISIL SE3A

- | Non Destructive Testing
- | Statutory Services Under Factories Act
- | Professional Services Under PESO Rules
- | Storage Tank Calibration Services
- | Construction Diagnostics (NDTee) Services
- | Safety Auditing Consultancy / Services
- | RLA Inspection Under Indian Boiler Regulations
- | Third Party Inspection Services



**SAFETY
THROUGH
INNOVATION.**

Inspection	✓
Testing	✓
Calibration	✓
Certification	✓
Auditing	✓

DR. SARVAPALLI RADHAKRISHNAN SAID...







**“PREVENTABLE ACCIDENT,
IF NOT PREVENTED DUE TO OUR NEGLIGENCE,
IS
NOTHING SHORT OF MURDER.”**

All Safety Services and Statutory Services for Legal Compliance are provided under One Umbrella

Trusted by Various Industries over 30 years For Safety , Quality & Reliability



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Mr. Milind Sangwika (Managing Director)

He is having a educational qualification as BE (Mech.), ME (Prod.), L.L.B., ADIS, C. Engg., ASNT (Lvl.2) and total field experience as 42 yrs. He is recognized as Competant Authority under SMPV (U) Rules 1981 for Rule 18/19/33, Petroleum Rules 126 / 130, MFR / GFR / MPFR Rules for Lifting Tackles / Machines / Pr. Vessels / Pr. Plant / SEP etc. He is also practicing as Safety Consultant / Reg. Valuer / IRDA class A surveyor, Chartered Engg. Etc. for last 30 yrs as reported safety professional.



Mr. Sanjay Deshmukh (Associate Competant Person)

Competent Person & Associate Consultant having a educational qualification as BE (Mech.), C. Engg., ASNT (Lvl.2) and total field experience as 30 yrs. He is recognized as Competant Authority under Rule 18/19/33, MFR1963 Rules 62/64/65 for Lifting Tackles / Machines / Pr. Vessels / Pr. Plant / SEP etc. He is associated with NSPL for last 25 yrs. He is having vast experience in field of insurance also



Mr. Shekhar Sangwika (Director)

He is having a educational qualification as BE (Elec.), M.S. (Technology Mgmt.), ADIS and is having total 8 yrs of field experience. He is declared as Competent Person under MFR 1963 for LMPV. He is also working as managing Director of M/s Think Lean Prefab Systems Pvt. Ltd., company which is engaged in manufacturing of Insulated Doors / Pannels. He is associated with NSPL developments for last 7 years.



Mr. Lal Bahadur Yadav (Associate Safety Auditor)

is working for M/s Ndtee Services Pvt. Ltd., as Associates Auditor and is having total 42 years of field experience. He is working as associate safety auditor with NSPL for last 10 years.



Mr. Dilip Vishwanath Khatal (Site Incharge)

is working for M/s Ndtee Services Pvt. Ltd., as Site In-charge under Rule 18, 19, 33, 120 & 130 PESO, LMPV under MFR 1963 and is having total 20 years of field experience with NSPL.



Mr. Dattu Govardhan Pimpale (Sr. Technician NSPL)

is working for M/s Ndtee Services Pvt. Ltd., as Sr. Technician for carrying out LMPV testing IBR Testing & Weights & Measures tank cal wave and is having total 25 years of field experience with NSPL.



Mr. Abhishek Ravindra Sangwika (R.T. Incharge)

He is working for M/s Ndtee Services Pvt. Ltd., as Site In-charge for Radiography under BARC & AERB Rules & Regulations / experienced in all NDT Methods (RT / UT / MPT / DP as ASNT Level – II) he is having total 5 years of ield experience with NSPL & He is looking after R.T. Development in NSPL.



Mr. Mahipati V. Dahiphale (Site Engineer)

He is working for M/s Ndtee Services Pvt. Ltd., as Site Engineer for LMPV Testing, Boiler..... PESO activities etc under different Rules & Regulations. He is well aware of all NDT Methods (RT / UT / MPT / DP as ASNT Level – II) and is having total 5 years of field experience with NSPL.



Mr. Syed Ajaz (NSPL Office Co-ordinator)

Ajaz is working for M/s Ndtee Services Pvt. Ltd., as Office Admin for Office Coordination He is Preparing for all competency exams, test report preparation and dealing with NSPL with clients. He is qualified (MA English) and is having total 15 years of field experience with NSPL.



Welcome to

Ndtee Services Pvt Ltd. (NSPL)

Ndtee Services Pvt. Ltd. (NSPL) is Pioneer NDT Organization Wellknown in Marathwada region for Quality Reliability and safety NSPL has distinguished itself from the outset by its diverse range of Statutory Inspection RT Inspection activities in the field of Industrial Safety, DISH Approved Organisation Petroleum and LPG Safety, Boiler Safety, Industrial Hygiene Surveys, External Safety Audits and Periodical Statutory inspection Certifications of Lifting Machines and Pressure Vessels using different NDT techniques, in industry, Storage Tank Calibration, Safety Training etc.



Mr. Milind Sangwkar
(Managing Director)



NSPL is playing a strong and influential role in Maharashtra, Gujarat, Madhya Pradesh. The Inspection Testing activities of the company involves a statutory services like Conducting safety audits / Inspecting Testing certifications, Of SEP/LMPL / LPG Bollets / IBR Boiler etc Evaluation of Failure Analysis / Investigation of Industrial Accidents, Non Destructive Testing Use of all technique in industry / Inspection / Testing / Certification of Pressure Vessels, Pressure Piping, Pressure Plants (including LPG Vessels & Piping), Lifting Machines/ Lifting Tackles, Inspection /testing / certification of solvent extraction plants etc in Maharashtra, Gujarat, Madhya Pradesh.



Periodical Testing of LPG /Co2 Bullets as per PESO Rules Storage Tank Calibration/ certification/approvals, Gas Cylinder Storage, RLA Inspection of IBR Boilers, Third Party Inspection Services, Construction Diagnosis (Using NDT technique as part of structural audits for certification of building Stability / Developing & Conducting Health Hygine Surveys and detail HAZOP Studies for risk assessment (HIRA), preparation onsite emergency plan for company (including MAH) & Evaluations of Failure Analysis for safety / health of people for Enhancing Industrial Safety as Govt. approved (DISH) Safety Auditor for Govt. of Maharashtra & as declared competant autarity



SAFETY AUDITING : SPECIALITY OF NSPL

Ndtee Services Pvt. Ltd., (NSPL) is a leading statutory service providing organization working for past 30 years. NSPL company is today governed by Managing Director Mr. Milind Sangwkar and Mr. Shekhar Sangwkar (Executive Director), who are well qualified, (Post) Graduates in Engg), well experienced technical persons and declared as Competent Person under Maharashtra Factory Rules approved by DISH office, Mumbai.



Mr. Milind Sangwkar has so far completed more than 500 Safety Audits in the Industries in past 25 years. He is duly approved by DISH office, Mumbai as "Safety Auditor". He has carried out safety audits in many indigenous corporate companies, in Multinational Companies, in Sugar / Distillery / Breweries, in Pharmaceutical / Chemical Company, in various Thermal Power & Hydro Plants, Engineering Companies etc.



Our principal Auditor Mr. Milind Sangwkar is associated with various Safety Auditors and he has also served to large scale industries.

NSPL is having their offices at Mumbai, Pune, Aurangabad and at Indore.

The areas of specialization of NSPL is in following services.

- 1) Conducting RLA of IBR Boilers.
- 2) Conducting various Construction NDT of Distressed Buildings / Structures.
- 3) Conducting various Industrial NDT Test like UT / RT / MPI / Hardness / DP etc.
- 4) Conducting statutory testing of LPG Bullets as per PESO Rules / Regulations.
- 5) Conducting TPI Inspections, Legal Audits, Hazop Studies, Risk Analysis etc.



Professional Services for Storage Handling of Petroleum Products Explosive Materials as per Explosive Act Petroleum Act

Site Notification & Approval

The proposed site for a Major Accidental Hazard plant or a plant relating to hazardous processes needs the permission from the Office of Director, Industrial Safety and Health for the approval of the initial location of the factory. The site appraisal committee examines the application and grants the approval.



We provide technical support for preparation, submission and approval of the site notification and approval of MAH Industries.

Consultancy for preparation, approval of drawings and accord of Factory Licenses and Licenses of Petroleum Products



Hygiene Survey

NDTEE Services Pvt. Ltd carries out all types of technical surveys such as following -

Safety Survey

Noise level measurement survey.

Ventilation survey.

Illumination survey.

Vibration Survey

These Hygiene Surveys are carried out depending upon the requirement of the company.

Illumination Surveys are carried out at different times to check Light Levels at various times of the day and night working Hrs.

Technical support and services for the aforementioned procedures are found often required by chemical or process industries for carrying out preparation of various drawings, approvals and for the accord of various industrial licenses.

NSPL has been providing this service for the past 30 years more than 100 companies were so far..

NSPL is well aware of all Govt. procedures, methods, statutory requirements etc. to carry out the said work depending on its priority and urgency. We are declared as an approved agency and a competent authority for the past 30 years for carrying out statutory inspections and NSPL is an experienced agency to provide facilitation for support of the same.



RACKING INSPECTION AND CERTIFICATION (NEW FIELD)

Our Managing Director Mr. Milind Sangwkar is a approved SEMA Inspector (U.K) and authorized person to carryout "RACK SAFETY INSPECTIONS" on regular basis in the Industry.

Racking system is used in Industry more particularly in warehousing and storage. It is one of the neglected areas of Health and Safety in the company. Racking inspection is not yet recognised as statutory requirement in any Factory Rules, but Rack Safety Inspection is optional activity as advised by many Auditors during their Audits.

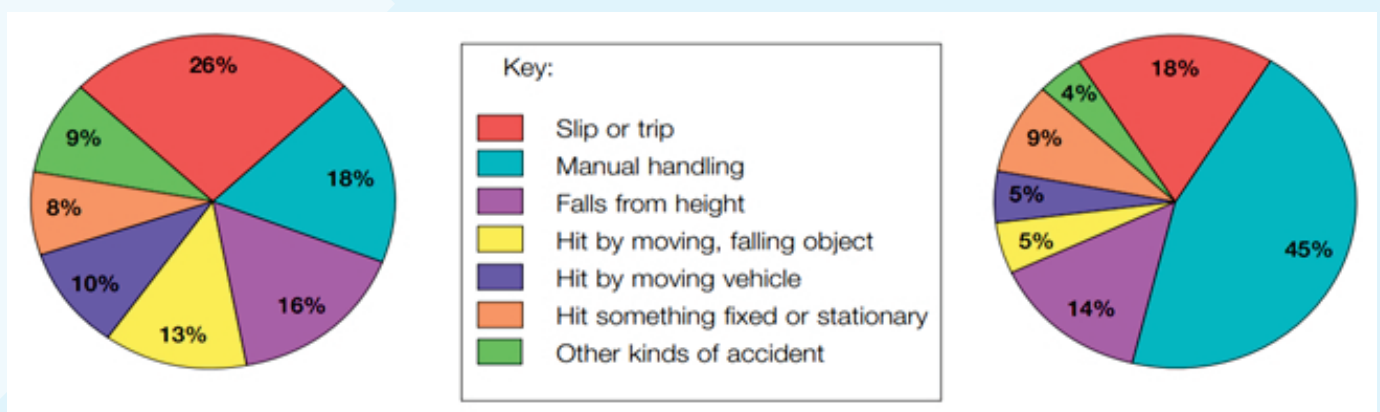
Most of the time the SWL capacity (Safe Working Loading Capacity and Identification Nos.) are not specified in the storage rack system. Racking system is also found not anchored or secured properly at the bottom as well as on the top of the rack system. Many small incidents (Slipping or Tripping)



are taking places in warehouse during manual and / or mechanical handling of various loads at different heights apart from storages of dangerous substances.

Periodical Inspection / Examination / Certification of Racking system used / installed in warehouses and storages of Industry from a authorized Competent Person will help the organization to prevent Sliper Trip Hazards, Fork Lif or Stacker, Transport Hazards, Electrical Safety, Accidents and Emergencies.

NSPL offers spciality services for regular checkup / inspection / examination / verification of different racking systems in industries. NSPL has so far carried out similar work at Goodyear, Morganite Crucible India Ltd., Honey Well, Siemens Ltd., Endurance Technolories Group etc



Non Destructive Testing

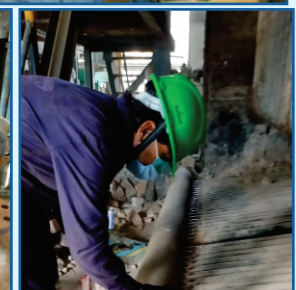
We NSPL are the pioneers of NDT in the Marathwada region in the field of NDT and we NSPL pride ourselves on a highly efficient and timely service to cater all industrial needs; followed by a greatly detailed and informative report for Suggested Areas of improvements.

Non Destructive Testing (NDT) is a powerful tool and a modern technique used for In-service Inspection activities, mostly during preventive & breakdown maintenance activities of plant machineries. NDT also used for determining the product quality for reducing process cost and for maintaining and improving product quality levels at different stages of manufacturing activities in industries.



We NSPL provide the following Range of Services

- ◆ NSPL is Declared as competent Authorities VNSW - Factory Act / MFR 1963 Boliler Act & SMPV(V) Rules 1981/ Petroleum Act / Explosive Act
- ◆ Visual inspection as a Competent Authority
- ◆ ASNT Certified Ultrasonic Flaw Detection Testing (U.T)
- ◆ ASNT Certified Magnetic Particle Inspection (M.P.I)
- ◆ ASNT / BARC Certified Radiography Tesing (X-Ray or gamma ray)
- ◆ Leak Test (Hydro/ Pneumatic)
- ◆ ASNT Certified Liquid / Dye Penetration Test (Ordinary or Fluorescent)
- ◆ N.D.T Evaluation, Analysis, Testing
- ◆ Ultrasonic Thickness Testing of Pressure Plant / Vessels
- ◆ Hardness Testing / Boroscopy / Micro Structure / Eddy Current test etc.
- ◆ Govt Approved (DISH Office) Industrial Safety Auditors for Safety Audit
- ◆ Industrial Safety Services / Drg. Approvals / Risk Analysis
- ◆ Competant Authority for Solvent Extraction Plant Inspection avditing Services
- ◆ CBB Declared / Authorised Agency For RLA Inspection (NDT) Services For IBR Boilers
- ◆ Authorised Agency for Storage Tank Calibration Services
- ◆ Third Party Inspection Services
- ◆ Advisor Inspection (UT/MPI/RT/LPT/NDT) & Laboratory
- ◆ Authorised LPG Bullet Testing Services as per PESO rules
- ◆ Competent Person for M.P., Maharashtra & Gujrat for LMPV Testing



SPECIALISED RADIOGRAPHY TESTING (RT)

NSPL has established R. T. division to cater the frequent demands of R. T. work in Industries in Maharashtra, Madhya Pradesh and Gujarat with focus on safety, quality and reliability.

Our NSPL laboratory consist of BARC approved Pit Room, Enclosure, Chemical Laboratory for Film Development, Survey Meter, TLD for opeators, emergency plan, RT Camera's (Qty. 3 Nos) X – Ray Camera's (Qty. 1 No) alongwith continual training for skill improvements.

Ndtee Services Pvt. Ltd., (NSPL) is a approved, authentic, registered and licensed agency (approved by AERB / BRIT, Mumbai) to carryout Industrial Radiography testing either at their approved laboratory or at any desired site (in Pit Room) as advised by client. NSPL is having registered, well educated and well experienced Radiation Safety Officers (RSO – BARC Level – II) and team of radiographers (BARC – Level – I) to maintain the legal compliances and as well as to carryout all RT activities scientifically.

NSPL has well exepreenced, trained and certified (ASNT / BARC) technicians duly approved by BARC and they are well aware of radiation safety requirements and can guide the local people as and when necessary.

NSPL is more particular about the carrying out all government AERB / BRIT) compliances and is a ethical organization in the field of Industrial Radiography Testing.

Ndtee Services Pvt. Ltd., (NSPL) is having their offices in Pune, Mumbai, Aurangabad & Indore.

NSPL has executed various RT jobs at sites of Sugar Industries, (Boiler / Piping), Casting Industries, LPG Bullet and Piping, Fabrication, steel industries etc and list of clients is attached herewith.



| Storage Tank Calibration

Vertical Storage Tank Calibration is applicable mainly for Breweries, Distilleries, Sugar, Chemical, Process Industries, Oil Companies for the compliance of statutory requirements required by Wts / measure state excise & central excise department.

NSPL is Govt. Approved Storage Tank Calibrators for the compliance of Statutory requirements under the State Excise, Legal Metrology, Central Excise, Customs Department, etc. NSPL undertakes the Storage Tank Calibration of vertical, above ground, underground, cylindrical storage tanks practically any shaped tank.

We have a rich experience in Tank Calibration ranging from Breweries to Petroleum Storage Tanks to Molasses Tanks for all types of SSIC Distilleries and in SSK.



| Third Party Inspection

During the execution of new projects and while commissioning of new plant machinery /equipments at site, We NSPL Provide back up or support to new industry.

We are Persuing and being Approved by Various Govt. Department as TPI Agency

We offer following Third party inspection services :

1. NDT Inspection of fabricated vessels /equipments.
2. Inspection & testing of piping system.(OH/U/G)
3. DP inspection /testing for IBR Boiler pressure parts and tubes.
4. In-service inspection and analysis of pressure vessels/compressed gas piping systems
5. Failure analysis & cause investigation of Pr. parts /components.
6. Supervision and quality assurance services for contractual jobs/projects.
7. Radiography and /wield inspection services.
8. Inspection / Testing/Certification of solvent extraction plants.
9. All types of licence services required for of licence, approvals etc.



INSPECTION TESTING & CERTIFICATION OF



Pressure Vessels



Pressure Piping



Pressure Plants



LPG Vessels & Piping



Lifting Machines, Lifting Tools & Tackles

Any Process or Engineering Industry where machinery like pressure vessels, pressure pipes, Pressure plants and Lifting Machines & Tackles are installed and used requires a periodical statutory inspection under the Factories Act 1948 (MFR 1963), SMPV(U) Rules 1981 from a declared competent authority from the respective DISH department over past 30 years.

NSPL is practicing as a declared competent authority and approved agency for the past 30 years from the Directorate of Industrial Safety and Health, Maharashtra & Gujarat, Office of Chief Controller of Explosives, Nagpur, Office of the Director of Steam Boilers, Mumbai, Office of the Director of Legal Metrology, Mumbai.

NSPL have conducted such certifications in over 400 Industries in Maharashtra and Gujarat. NSPL have carried out annual, bi yearly and 5 year periodical certification for over 300 industries and the list of varies clients is attached herewith.





On Site Emergency Plan Preparation

It is a legal document that provides the details of emergency planning and emergency preparedness of the organization for handling different kinds of emergencies (natural or accidental) on its occurrence. On site plan preparation is required as a part of statutory compliance, especially for MAH Units as well as process units where hazardous operations are involved. These are prepared as per certain guidelines and they are required to be updated at least once in 2 years. We have prepared more than 100 on site emergency plans for various industries and witnessed mock drill programs for more than 200 Industries.

Safety Audit, Hazop Studies & Risk Inspection Reports

Occupational Safety & Health Audit, in accordance with Maharashtra Factories (safety audit) Rules 2014, is required to be carried out for every industry every two years from an external competent Agency.

We are in this field for the past 20 years and have carried out more than 300 Safety Audits successfully. Our extensive and detailed Audit suggestions and recommendations are influential in the implementation of a safety culture in the organization. The number of auditors required are determined by the size of the company and the level of risk associated with the process.



We have 4 experienced auditors headed by our Director, Mr. Milind Sangwikaar.

Formulation of an Environment, Health & Safety Policy for an Organization

The occupational Environment, Health & Safety protection policy is a legal requirement with the respect of occupational health and safety of workers and employees at work. The EHS Policy indicates the intention and commitment of the top management.

Keeping in mind the manpower and resources available and the priority assigned for such a policy, we compile a holistic and customized EHS Policy to comply with the company requirements.



What Does Construction Diagnostics (NDTEE) Services Do ?

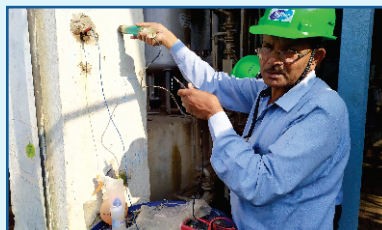
Construction Diagnostics (NDT testing) for confirming Building Stability / Structural Audit. for finding & confirming the presence of distress in structure.



Construction Diagnostics (NDTee) Services are used for checking distresses and quality assurance in all types of structures such as residential / commercial / industrial buildings, bridges, dams, chimneys etc using modern day Non Destructive testing facilities. We do conduct structural audits and issue building stability certificates after conducting through NDT tests as a part of stability certification as per rule 3A of Maharashtra Factory Rules 1963.

What tests do we do carry out ?

- ◆ Ultra Pulse Velocity Test
- ◆ Corrosion Potential Test
- ◆ Vibration Monitoring Test
- ◆ Transient Dynamic Response Test (TDRT)
- ◆ Rebound Hammer Test
- ◆ Carbonation Depth Test
- ◆ Ultrasonic Thickness Gauge
- ◆ Dynamic Pile Load Test (HSIT)
- ◆ All Types of Metal / RCC NDT Test



Safety Consultancy Services for Industrial Safety

Risk Assessment and Risk Inspection Plan (HIRA)

Every industry has a certain level of risk and potential for a number of accidents waiting to take place. Identifying and eliminating as many risk factors possible ensures the safe and smooth working of an Industry.

Risk Assessment comprises of identification of various risks of fire, explosion, toxic releases, etc. It further includes MSDS Preparation, Consequence Analysis for an Identified Risk, Preparation of Contour Diagrams, Fault Tree Analysis, Suggestions, Recommendations and Control Measures for risk reduction and loss prevention



Evaluation of Failure Analysis and Investigation Report on Industrial Accidents



“All Accidents are preventable.”

This is generally said when the causes for an accident are identified and removed completely.

Ndtee Services Pvt. Ltd has the necessary expertise to carry out a sustainable analysis and evaluation of all failures of materials.

Generally all pressure parts and the temperature affected parts (due to creep) Such as pressure vessels, pressure piping are found under various stresses and strains. If operations are not carried out methodically, if there is zero or minimum maintenance or changes in circumstances/situations, then the probability of failures increases and sudden breakdown occurs which result in heavy losses to process industries.



| Inspection Testing Service Under Indian Boiler Regulations 1950 (Rule 391(A)(B)(ii)



Remaining Life Assessment (RLA) Studies and NDT Testing for IBR Boilers

When a Boiler nears 25 years or 100000 hours (whichever is earlier) in operation, it is suggested by the IBR Authority to carry out systematic NDT Testing and / or Semi RLA or RLA on various pressure parts of these boilers for assessment of its remaining life and the necessary repairs or reconditioning required.

Ndtee Services Pvt. Ltd. Is an agency approved by the Office of the Director of Steam Boilers Mumbai for carrying out the Remaining Life Assessment (RLA) of IBR Boilers and has also applied for 'well known RLA Organisation' with the Central Boiler Board.

We have so far carried out more than 100 RLA Assignments in Sugar and Process Industries.



Associate Company of NSPL



ABOUT THINK LEAN

Think Lean Prefab Systems Pvt. Ltd. is modern age, design focused solution provider with focus on good manufacturing practices (CGMP) norm and ISO 14644-1 guideline to provide prefabricated solutions for a host of industries with require cleanrooms, cold chain infrastructure and engineering products.

Think Lean Company is engaged in Manufacturing of Sandwich (Insulated) Pannels and doors of various sizes as per customer needs and requirment

CLEANROOM TECHNOLOGY

For Pharmaceutical and Healthcare

- Powder coated modular panel system - PUF/PIR/Rockwool/ Paper core
- Pre-painted modular panel system - PUF/PIR
- Cleanroom doors
- Fire rated doors
- Cleanroom Equipments

COLD CHAIN INFRASTRUCTURE

For Cold Stores in Food Processing

- Cold store panels - PUF core
- Swing doors for cold stores from +8 to -40°
- Sliding doors for cold stores from +8 to -40°

ENGINEERING PRODUCTS

For Engineering, Industrial, Institutional and Commercial Sector

- Industrial doors
- Portable cabins and site offices
- Office partitions and false ceilings



Mr. Shekhar Sangwikar
(Managing Director)



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NSIC-CRISIL SE3A

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Mumbai Office

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