Phase 1

Safety & Field Readiness

Phase 1 Overview + Checklists

Phase 1 establishes the habits, standards, and mindset expected of every technician. Over the next 4 weeks, you'll focus on how work is approached & executed — from professionalism & ownership to how systems are observed, documented, & cared for in real-world environments. This phase introduces compressed air concepts & the role these systems play in industrial operations, while reinforcing expectations around organization, site care, & representing the company on every job.

Week 1:

Safety & Professional Foundations

Establish technician foundations: apply core job-site practices, recognize & control equipment energy sources & begin understanding compressed air systems and their role in plant operations.

Day 1	Day 2	Day 3	Day 4	Day 5	Week 1 Review
☐	☐	☐	☐	☐	☐

Week 2:

Standards & Digital Tools

Build professionalism & consistency as a service technician. Learn customer-facing standards & how to use Ingersoll Rand digital tools for daily work, safety, documentation, training, and compliance.

Day 1	Day 2	Day 3	Day 4	Day 5	Week 2 Review
☐	☐	☐	☐	☐	☐

Week 3:

Hands-On Safety & System Understanding

Take the lead on job-site safety by performing SLAM & LOTO. Identify system components, understand oil-flooded/oil-free compressors, complete inspections & explain how components function in a system.

Day 1	Day 2	Day 3	Day 4	Day 5	Week 3 Review
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Week 4:

Diagnostic Tools & Component Proficiency

Own safety responsibilities, using diagnostic tools (multimeters, SPM & thermal devices). Take accurate readings, collect samples, document findings & understand compressor components and system operation.

Day 1	Day 2	Day 3	Day 4	Day 5	Week 4 Review
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Review Topics

Safety & Communication:

- ☐ Compressor energy sources & isolation
- ☐ SLAM purpose & application
- ☐ LOTO awareness
- ☐ Site cleanliness & service documentation
- ☐ Hydration strategy & heat awareness
- ☐ Customer follow-ups & quote escalation
- ☐ Coordination team communication
- ☐ Customer contact information access

Compressed Air Fundamentals:

- ☐ Industrial uses of compressed air
- ☐ Rotary compressors (oil-flooded/oil-free)
- ☐ Facility applications (oil-free/oil-flooded)
- ☐ Airflow & coolant flow (oil-flooded rotary)
- ☐ Dew point fundamentals
- ☐ Dryer types & achievable dew points
- ☐ Cooling methods (air vs water)
- ☐ Overheating causes & corrective actions
- ☐ Temperature, humidity & 20-degree rule
- ☐ Moisture removal & drain types

Components, Controls & Tools:

- ☐ Inlet valves
- ☐ MPCVs (function, failure, verification)
- ☐ TCV purpose & operating range
- ☐ Solenoids (NO/NC, coil voltage, testing)
- ☐ Oil stop valves & failure conditions
- ☐ Scavenge lines
- ☐ Consumables on oil-flooded compressors
- ☐ Electrical fundamentals (kW, mA, MΩ, ms)
- ☐ Multimeter measurements & checks
- ☐ PM Pro, Picklist, Tech Direct access
- ☐ Oil sampling & documentation
- ☐ LMS login & progress verification

Name: _____ **Phase Start Date:** _____

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