ASSET RELIABILITY PRACTITIONER® [ARP]

TRAINING AND CERTIFICATION

[ARP-A] RELIABILITY ADVOCATE
[ARP-E] RELIABILITY ENGINEER
[ARP-L] RELIABILITY PROGRAM LEADER

MOBIUS INSTITUTE

www.mobiusinstitute.com

ASSET RELIABILITY PRACTITIONER® [ARP] TRAINING AND CERTIFICATION

A growth path for Asset Reliability Leaders and Practitioners. The only way to gain a first-class education and achieve recognition for knowledge and experience.

A growth path for Asset Reliability Leaders and Practitioners

The only way to enjoy success in a reliability improvement initiative is to appreciate what it takes to achieve culture change and the process improvements necessary to change the current practices into those that ensure equipment is maintained and operated in a manner that achieves peak performance. Mobius Institute™ has developed a series of training courses that provide the breadth and depth of knowledge necessary to achieve success.

Everyone needs to play their role in the initiative, and we offer training, and in some cases accredited certification, on the growth path from technician to leader:

- Precision maintenance skills: alignment, balancing, fastening, and lubrication
- Condition monitoring program establishment and technology expertise: vibration, ultrasound, oil analysis, infrared, and motor current analysis
- Reliability engineering with the technical skills to implement the technical elements
- Reliability leadership with the leadership skills to make the business case, build a strategy, and develop a motivated culture
- Asset reliability strategy: the plan to ensure the initiative delivers sustained business value

A foundation built on mechanical skills

If the machine is not precision aligned and balanced, if it is not lubricated correctly, and if the fasteners are too tight or loose, the machine is destined for a short and disappointing life. It will be another asset that does not deliver its true value, it will interrupt operations, add to your maintenance costs, at worst, result in injury or environmental harm.

You can solve that problem with specific skills training, and you will learn all about it in the Asset Reliability Practitioner [ARP] courses.

See the future with condition monitoring

Condition monitoring is a key ingredient in any successful reliability improvement initiative, but while it can drastically reduce costs and improve plant reliability and dependability, it does not necessarily contribute to improved equipment reliability.

You can take specific training on the technologies according to ISO standards, or you can learn how to design and lead the condition monitoring program in the Asset Reliability Practitioner [ARP] courses.

Asset Reliability Practitioner [ARP] training and certification

To enjoy a truly successful reliability improvement initiative, you need both depth and breadth of knowledge.

The leader of the initiative must have a clear view of the entire scope of the initiative, with a detailed understanding of the business proposition, the culture change process, and the individual steps required to implement the strategy. The reliability engineer must have a depth of knowledge in reliability analysis, maintenance strategy, and best practice, plus condition monitoring (and other topics). And they both must be surrounded by a workforce of people who are engaged and enthusiastic about the initiative.

The Asset Reliability Practitioner [ARP] training and accredited certification program provides the knowledge, qualifications, and growth path to enable a program to be run successfully.

ARP-A RELIABILITY ADVOCATE

Everyone must start somewhere. Whether you are new to reliability improvement and need a way to get up to speed, or if you wish to understand the complete holistic view of reliability and performance improvement because you are considering beginning a program, the ARP-A "Reliability Advocate" course is the perfect place to start.

ARP-E RELIABILITY ENGINEER

This course is perfect for the technical reliability engineer. If you are the person who needs to understand how to implement the technical elements of reliability improvement and perform the analysis that will drive the key decisions, this is the ideal course for you.

ARP-L RELIABILITY PROGRAM LEADER

If the responsibility for running a successful reliability and performance improvement initiative rests on your shoulders (or you wish it did), this is the course for you. The emphasis on this course is how to generate business value, develop and implement a strategy, and create the right culture, although we do summarize the technical elements.

ASSET RELIABILITY TRANSFORMATION® [ART]:

THE PRACTICAL AND DETAILED STRATEGY

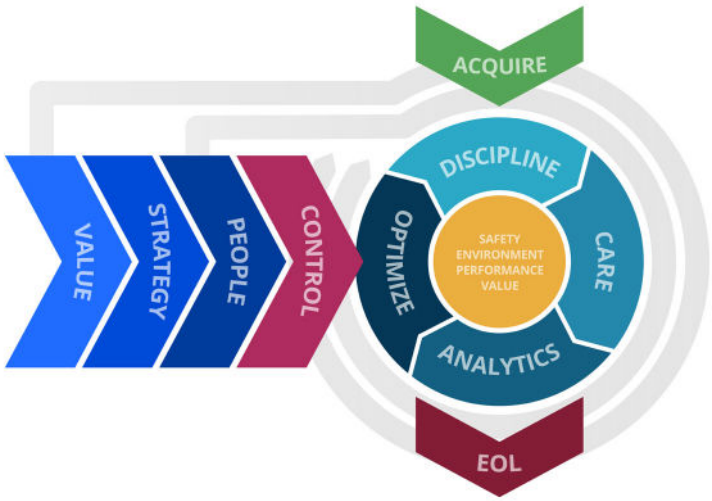
One of the keys to success: a practical, detailed strategy

You must have a strategy to be successful. Improving reliability and achieving target levels of performance is not easy. Many have tried and many have failed. The most common reason for failure is a lack of strategy: a plan that avoids the bear traps and keeps everyone motivated and aligned.

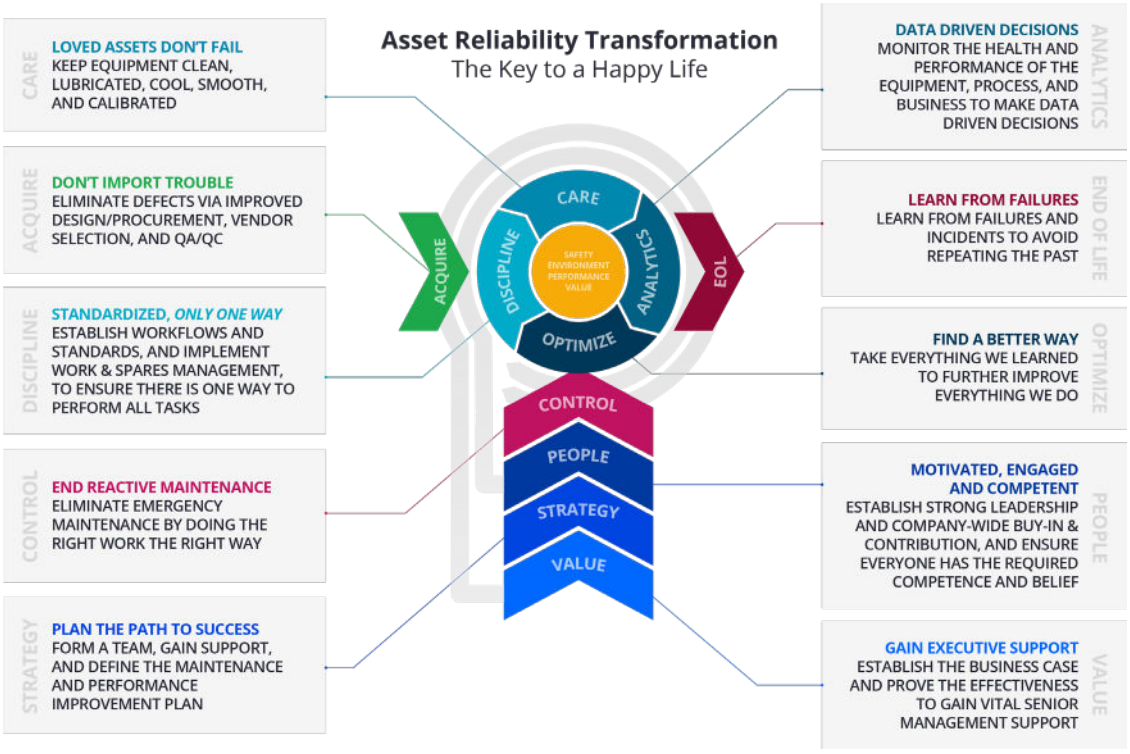
We have built the Asset Reliability Transformation [ART] process that will guide you, step-by-step through the initiative:

- 10 phases, 64 steps, and 365 documented recommended practices – no stone left unturned
- We help you ask the right questions at the right time so you make the right moves
- VALUE, PEOPLE, and STRATEGY: Build a solid foundation
- CONTROL: Overcome reactive maintenance
- ACQUIRE, DISCIPLINE, CARE, ANALYTICS, EOL, and OPTIMIZE: Don't create problems, make data-driven decisions, and continually improve

Regardless of your starting point, regardless of your industry, ART will enable you to run a successful reliability and performance improvement initiative.



LEARN THE MOBIUS WAY



WHY LEARN WITH MOBIUS INSTITUTE™?

There are three major reasons why over 5,000 students choose Mobius Institute every year:

- We make complex topics simple with amazing 3D animations and simulations that make you say, *"Ah, now I get it!"*
- We give you access to the entire course before the class begins so you are better prepared, and for six months after the course, just in case you still have questions.
- We use anonymous, stress-free polling throughout the course, so you know if you truly understand each topic, and the instructor knows not to move on to the next topic - *no student is left behind.*

There are many other reasons why asset reliability practitioners, and their managers, choose Mobius Institute.

MOBIUS INSTITUTE BOARD of CERTIFICATION

MOBIUS INSTITUTE

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WITH MOBIUS INSTITUTE™, YOU CAN *LEARN YOUR WAY.*

We offer the ultimate flexibility. See the course details for more information.

PUBLIC INSTRUCTOR-LED COURSES

We have training partners in 60 countries, offering 23 languages.

VIRTUAL INSTRUCTOR-LED COURSES

Attend a virtual course - just like a live course, but you learn via GoToMeeting.

PRIVATE ON-SITE INSTRUCTOR-LED COURSES

Have the instructor come to your site to save your precious time and money (and health).

ONLINE VIDEO COURSES

Traditional eLearning courses and iLearnReliability Learning Management System (LMS) courses

ACCREDITED CERTIFICATION

Respected, accredited certification

Everyone should be recognized for their knowledge and experience, and that is certainly true for the champions of reliability improvement. There is so much to know across such a broad range of topics, that it takes a special person to be successful. The Asset Reliability Practitioner® certification program recognizes people in two ways: for their knowledge and for their experience.

Recognition for your knowledge

Following the guidelines established by international standards (IEC and ISO) and adhering to the highest standard of ISO/IEC 17024, the Asset Reliability Practitioner ARP-A "Reliability Advocate", ARP-E "Reliability Engineer", and ARP-L "Reliability Program Leader" recognizes your knowledge and general experience.

If you are educated, pass the examination, and can verify your experience, you will join the ranks of the international fraternity of Mobius Institute™ certified practitioners.

This is a legitimate certification.

ASSET RELIABILITY PRACTITIONER®
[ARP-A] Reliability Advocate

Whether you are new to reliability improvement, or you are a manager thinking of starting an initiative, ARP-A is the best way to begin the reliability journey.

Where are you on the journey to reliability improvement? If you are new to the program, or you are interested in learning more so that you can begin a new program at your plant, then the Asset Reliability Practitioner [ARP-A] "Reliability Advocate" course is precisely what you need.

Improving the reliability of physical assets takes far more than just monitoring their condition, improving lubrication practices, and making some improvements to the maintenance department. To have a truly successful program you must understand how to add value to the organization and thus gain senior management support. You must have the support of the entire organization, not just a small group of evangelistic condition monitoring and reliability experts. You must have a coordinated effort between maintenance, operations/production, engineering, finance, and the reliability group – no more silos. And you must follow a strategy that will enable you to build the program, layer upon layer, to achieve milestones and build on success.

Yes, we could simply talk about the common reliability acronyms of RCM, PMO, RCA, and literally dozens of others, but knowing what they mean does not help you implement a successful program.

The ARP-A Reliability Advocate program will provide a holistic view of how to improve reliability and plant performance. It will explain the implementation process and all the essential elements necessary to have a truly successful program.

THE ARP-A RELIABILITY ADVOCATE CERTIFICATION PROCESS

There are just four requirements to become certified:

1. You must attend this Mobius Institute course, or any other recognized training course that covers the same topics.
2. You must achieve a 70% score, or better, on the two-hour, 60-question, multiple-choice exam. The exam is intended to test whether you understand the core concepts and principles – it is not a challenging exam on reliability engineering topics, remembering what the acronyms stand for, condition monitoring technology details, or anything else that is covered in the more difficult ARP-E and ARP-L exams.
3. You must have a minimum of six months of experience in the industry involved in some way with maintenance, operations, or reliability in a role where you have experienced the challenges associated with poor reliability.
4. Your experience must be verified by an independent person.

Asset Reliability Practitioner® [ARP-A] Reliability Advocate

ARP-A FAST FACTS

Duration:
16 hours minimum: Typically delivered over 3 days

Format:
- Live public course
- On-site course
- Virtual online course
- Video distance learning online course

Compliance:
- Training: modeled on 18436-2 and ISO 18436-3, but there is no ISO standard for reliability personnel certification.
- Certification: according to ISO/IEC 17024 and modeled on ISO 18436-1
- Training: ISO 18436-3

Exam:
- Two hours
- 60 multiple-choice questions
- 70% passing grade
- Can be taken online or in-person at the course

Certification requirements:
- Training course completed
- 6-months of work experience, verified by an independent person
- Pass the exam
- Valid for 3 years

Pre-study:
- Access to the "Learning Zone" upon registration and payment
- Complete set of videos covering every topic
- An excellent way to be prepared and get the most from the course

Post-study:
- Continue to access the Learning Zone for 6-months after the course
- Continue learning, without charge, on MOBIUS CONNECT® via mobiusconnect.com

HOW MUCH DETAIL WILL WE COVER?

We only have three days together, and that includes plenty of time for discussions and case studies, so it is not possible to get into the details of every topic. The goal is to explain what it takes to be successful and how to avoid all the traps that have caused so many programs to fail. Public courses are conducted around the world, but to gain the greatest value, we recommend you invite the instructor to visit your facility and gather the entire team together.

The course follows the Asset Reliability Transformation® [ART] implementation process; however, it is totally up to you whether you follow our recommended practices.

After three days, you'll have a clear understanding of why you should improve reliability and how to implement the successful program. You will also have a much clearer understanding of all the jargon, acronyms, and common elements that make up a reliability or asset management program. Plus, you will be ready to take the exam so that you may be recognized for your knowledge under the Mobius Institute Board of Certification™ [MIBoC] accredited program.

WHAT WILL I BE CAPABLE OF ONCE I COMPLETE THE COURSE?

In short, you will have a solid understanding of the "big picture" of the reliability improvement process.

As a manager thinking of starting a new initiative (or reviving an existing one)

- You will understand the key ingredients of running a successful program:
  - Defining value
  - Gaining senior management support
  - Having a detailed strategy
  - Developing a motivated reliability culture
  - You will see how all the pieces of the puzzle fit together
  - How the technical elements support the overall business goal

As a person who is new to "reliability improvement" you will gain

- A detailed understanding of the business case
- A detailed understanding of the "big picture" of reliability and performance improvement
- A solid understanding of the technical aspects, along with all the reliability, maintenance, and CBM technologies, techniques, and jargon
- The ability to contribute to an existing program
- Motivation to get involved and play your role

MAXIMIZING THE VALUE OF THE TRAINING: DON'T STOP WITH ARP-A

Here is something to think about. The ARP-A Reliability Advocate course is an excellent way to get up to speed about reliability, especially when starting a new program. Many organizations have found it beneficial to have it delivered on-site so that a range of personnel can attend from the maintenance department, operations/production, finance, safety/health/environment, engineering, and even other departments – including the plant manager. The course gets everyone up to speed and on the same wavelength.

But the big question you must ask is; what happens next?

The course is beneficial, but if no one else is educated/trained, if there is not a strategy to move forward that everyone understands and believes in, if people don't know how they can contribute to the initiative, then unfortunately, you may not gain the greatest benefit from the course.

- First, we have the ARP-L "Reliability Program Leader" course for the person/people who will lead the initiative, and the ARP-E "Reliability Engineer" course for the people who will engineer the technical aspects of the initiative. The ARP-A course is great, but it is just the start of the journey.
- Second, we have developed the Asset Reliability Transformation [ART] process with a roadmap that explains how to implement the strategy to achieve the best results. It is filled with the phases, steps, and recommended practices to guide you through the implementation process. It includes a training plan that gets everyone up to speed, pulling in the same direction, and skilled/qualified to play their role. iLearnReliability™ will help you with the plant-wide educational process.
- And if you need help with the roll-out, and/or the training component, we have Partners around the world who can help you with whatever you need.

Mobius Institute Board of Certification is an accredited certification body per ISO/IEC 17024 and ISO 18436-1 authorized to provide certification in accordance with ISO 18436-1 and 18436-2.

Mobius Institute Board of Certification (MIBoC) is an impartial and independent entity that is directed by scheme and technical committees to ensure that its certification meets or exceeds the requirements defined by the applicable International Organization for Standardization, ISO 18436 standards.

MOBIUS INSTITUTE is a worldwide provider of Reliability Improvement, Condition Monitoring and Precision Maintenance education to industrial plant managers, reliability engineers, and condition monitoring technicians, allowing plants to be successful in implementing Reliability Improvement programs through delivery of more easily understandable and comprehensive training of Reliability and Vibration Analysis via public, in-plant and online education programs.

For more information about additional training courses, software tools, industry terminology and definitions, accredited certification, and specific course details, visit the Mobius Institute website.

www.mobiusinstitute.com

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The maintenance and reliability industry's professional network.

TOPICS COVERED – ADVOCATE [ARP-A]

- Getting started
  - What is a reliable plant?
- What are the benefits?
- Introduction to implementation
  - Process overview
  - Comparison of strategies
  - The Asset Reliability Transformation [ART] process
  - Asset management and ISO 55000
- Assessing the value
  - Why improve reliability
  - Current performance and cost
  - Measuring progress
- Selling senior management
  - Selling the benefits
  - Pilot projects
- Strategy
  - Planning, mission, support, mission establishing the team
  - The Asset Reliability Transformation® [ART] process
- Plantwide engagement
  - Human error and psychology
  - Culture change
  - Employee feedback
  - The brown-paper engagement process
- Getting maintenance under control
  - Breaking out of the reactive maintenance cycle of doom
- Defect elimination
  - Design for reliability
  - Value-driven procurement
  - Reliability-focused transport
  - Acceptance testing
- Understanding failure
  - What is failure?
- Asset strategy
  - Condition Based Maintenance (CBM), Run to failure (RTF)
  - Getting organized (Master Asset List, Bill of Material)
  - Developing a strategy
  - Analyzing reliability data
  - Asset criticality ranking
  - Preventative Maintenance Optimization (PMO)
  - Reliability Centered Maintenance (RCM)
  - Failure Modes Effects Analysis (FMEA)
  - Root Cause Failure Analysis (RCFA)

Continued…

TOPICS COVERED – ADVOCATE [ARP-A] ***continued***

Work management

- Work management flow
- Strategy based work and work requests
- Establishing a priority system
- Processing requests
- Job planning, scheduling, and execution
- Commissioning
- Closeout and feedback

Spares management

- Databases
- Access control
- Selection process
- Caring for spares

Precision work

- Precision installation, alignment, balancing, fastening
- Resonance elimination
- 5S in the workshop

Proactive asset care

- Precision lubrication
- Operations
- 5s and the visual workplace

Condition monitoring

- Vibration analysis
- Ultrasound
- Electric motor diagnostic testing
- Oil analysis
- Wear particle analysis
- Infrared analysis
- Visual inspections
- Performance monitoring
- Non-destructive testing (NDT)

Continuous improvement

- Key Performance Indicators (KPIs)
- Review program strategy
- Continual education

IS THE ARP CERTIFICATION ACCREDITED TO ISO/IEC 17024?

As of this writing, the ARP certification scheme has passed the final audit but has not been formally accredited by the government-appointed body. The auditing body has also stated that everyone who has already been certified will automatically be enrolled in the accredited program. Therefore, for all intents and purposes, the program is accredited.

WHAT IS THE DIFFERENCE BETWEEN ARP CATEGORY I, II, AND III AND ARP A, E, AND L?

When the Mobius Institute Board of Certification™ [MIBoC] Scheme Committee initially established the Asset Reliability Practitioner certification scheme, it was decided that it should follow the same naming process as the condition monitoring ISO 18436 certification program. Therefore, it was decided that each level should be Category I, II, and III.

The problem was, it caused confusion because whereas there is a definite growth path from Category I to II and III in vibration analysis, for example, and the fact that you needed to be Category II before you could apply for Category III, the same rules did not apply for ARP.

The Scheme Committee decided that a person should be able to transition directly to the highest certification level of the ARP without being required to be certified at lower levels. The reason why is described in separate FAQ questions.

The same is true for the second-highest level. The scheme committee determined that a person should be able to go directly to Category II.

To avoid confusion, the certification levels were renamed as follows:

- Category I became ARP-A “Reliability Advocate”
- Category II became ARP-E “Reliability Engineer”
- Category III became ARP-L “Reliability Program Leader”

WHY DOES ARP HAVE THREE LEVELS?

Certain people in the industry, and the practitioners who formed the Mobius Institute Board of Certification Scheme Committee and Technical Committee believed that there should be more than one level of certification in recognition of the challenging task involved with improving reliability, maintenance, operational performance, and asset health monitoring. Thus, the three-level system was devised:

- ARP-A: For engineers, managers, and practitioners who need to understand the entire picture of reliability and performance improvement without getting bogged down in any of the details in any one area
- ARP-E: For reliability engineers who are focused on the technical aspects of reliability, maintenance, and asset health monitoring – the requirements go well beyond CMRP or any other certification program

- ARP L: For the reliability program leaders who must primarily understand the business case, the requirements to change the culture, the strategy, and the leadership skills necessary to make such an initiative successful – the requirements, once again, go well beyond CMRP or any other certification program

WHY DO YOU NOT REQUIRE PEOPLE TO BE CERTIFIED ARP-E BEFORE THEY CAN BE CERTIFIED ARP-L?

Generally speaking, there are two types of people in the role of a Reliability Program Leader.

There are people who have come up through the ranks, potentially beginning in a condition monitoring role, then working in reliability engineering, and finally being promoted into a role where they lead the reliability program. That person will have the technical skills and experience but will have to develop the knowledge necessary to create the business case, change the culture, develop the strategy, and implement a successful program. And that is what ARP-L is for.

However, there are also people who come into the role because they have already demonstrated leadership skills. They understand the business case, and they know how to lead people. They are organized project managers, and therefore have the skills to implement a successful program. In many cases, those people do not wish to delve deeply into the technical side of reliability engineering. Instead, they make sure that they have competent Reliability Engineers reporting to them who are able to make the right technical decisions and provide accurate information.

Although this second group of people would benefit from having a deeper knowledge of reliability engineering, it was decided that they should not be forced to gain that knowledge. Instead, the ARP-L training provides a solid overview of the technical aspects so that they understand the terminology and main issues.

WHAT IS THE DIFFERENCE BETWEEN ARP AND CMRP?

The SMRP CMRP certification has been around for a long time and it is generally respected in the industry. The SMRP CMRP certification program is accredited to ISO/IEC 17024 so it is fair, independent, and legitimate – just like ARP.

Certain people in the industry and the practitioners who formed the Mobius Institute Board of Certification Scheme Committee and Technical Committee believed that there should be more than one level of certification in recognition of the challenging task involved with improving reliability, maintenance, operational performance, and asset health monitoring. Thus the three-level system was devised.

The Scheme Committee and Technical Committee also believed there should be a structured training program to support the certification program and that people should be encouraged to take the training. Many people are only given the opportunity to take training if it is associated with the certification program. Unfortunately, SMRP actively discourages organizations from offering training that prepares a person for the CMRP certification, instead requesting people to read a variety of books.

While certification is important, the education gained in achieving that certification is arguably more important.

WHAT IS THE DIFFERENCE BETWEEN ARP AND CRL?

The structure, independence, discipline, and fairness behind the Asset Reliability Practitioner training and certification are very different from those that exist for CRL. While the training associated with CRL is closely related to that covered on the ARP-A course, that is where the similarities end.

WHAT IS THE DIFFERENCE BETWEEN ARP AND CRE?

CRE certification is highly respected in the industry. CRE is focused on reliability engineering, however, the vast majority of CRE certified personnel are focused on product reliability; ensuring that your television does not fail, and determining warranty requirements, for example.

ARP-E "Reliability Engineer" is focused on the role performed by personnel working with industrial equipment (rotating machinery, electrical equipment, mobile assets, etc.) with the goal of ensuring that equipment is available to be used when called upon, and to minimize the maintenance costs associated with those assets.

DO I NEED TO BE ARP-A CERTIFIED IN ORDER TO TAKE THE ARP-E COURSE AND EXAM?

No. While the ARP-A course will provide a useful introduction which will make it far easier to understand the topics covered in ARP-E, the ARP-E course does not assume prior knowledge.

DO I NEED TO BE ARP-A OR ARP-E CERTIFIED IN ORDER TO TAKE THE ARP-L COURSE AND EXAM?

No. While the ARP-A and ARP-E courses provide a useful introduction which will make it far easier to understand the topics covered in ARP-L, and while ARP-E will be tremendously valuable to the Reliability Program Leader, the ARP-L course does not assume prior knowledge.

WHAT DO I RECEIVE WHEN I AM CERTIFIED?

You will be issued a digital certificate, personalized logo, and certification card. The certificate will acknowledge that the recipient has completed training, passed the exam, and if they have sufficient practical work experience relevant to the technology to be fully certified. This will be available to share online as needed by the candidate. Your name will also appear on the Mobius Institute website (unless you would prefer to remain anonymous).

WHAT ARE THE EXPERIENCE REQUIREMENTS FOR ARP A, E, AND L?

(From the MIBoC guide ED161-2) The requirements are:

- ARP-A – 6 months
- ARP-E – 24 months
- ARP-L – 48 months

WHAT TYPE OF EXPERIENCE IS REQUIRED FOR ARP-A, E, AND L?

The experience requirements exist simply to ensure that you have experienced the issues related to poor reliability: downtime, lower than desired production output, frustration with breakdowns, etc. In the case of ARP-E and ARP-L, the experience requirements also exist to ensure that you have some experience improving reliability. It is not expected that you have been a full-time reliability engineer or program leader, but it is expected that you may have been involved with some of the common activities, such as condition monitoring, the acquisition of laser alignment or other precision maintenance tools, root cause failure analysis, and so on.

HOW LONG ARE THE EXAMS?

(From the MIBoC guide ED161-2) The requirements are:

- ARP-A: 60 questions, duration 2 hours, 70% passing grade
- ARP-E: 100 questions, duration 3 hours, 70% passing grade
- ARP-L: 100 questions, duration 3 hours, 70% passing grade

HOW ARE THE EXAM QUESTIONS DEVELOPED?

The Mobius Institute Board of Certification (MIBoC) has established an independent Technical Committee (TC) and questions have been submitted for approval from industry experts. Questions are proposed, audited, and reviewed by the TC. MIBoC has developed a process that utilizes software developed for the task so that the exam questions are protected, and so that all changes are tracked. The TC is made up of industry experts and experienced people who work in the field from around the world.

Once a question has been used in an exam, special statistical processes, called psychometrics, are used to check if any questions are too easy, too hard, or too confusing. Those questions are then reviewed by the TC and either improved or rejected.

IS THE ASSET RELIABILITY PRACTITIONER CERTIFICATION SCHEME BASED ON AN ISO STANDARD?

Yes and no. Unfortunately, there is not an ISO standard for the certification of reliability practitioners or anything close to it.

However, the Mobius Institute Board of Certification [MIBoC] ED-161 scheme is modeled on the ISO 18436 standards; the topics are mapped to the ISO 55000 standards; the scheme follows ISO/IEC 17024, and the core knowledge and vocabulary/terminology is based on definitions developed in a variety of ISO standards (and other international standards). The topics themselves, and the requirements, were developed over a long time by the MIBoC Scheme Committee and Technical Committee. SC and TC are made up of industry experts and experienced people who work in the field from around the world.

IF MOBIUS CERTIFIES ME AT ARP A, E, OR L, DOES THAT MEAN THAT I AM QUALIFIED TO DO MY JOB AND THUS DO NOT REQUIRE ANY SUPERVISION?

No. Certification at ARP A, E, and L demonstrates that you have some experience in an industrial setting and that you understand certain facts, concepts, and principles, but it does not mean that an employer should not take responsibility for the tasks that you are assigned to perform.

Having said that, a person who has passed ARP-E should have the knowledge necessary to become an effective reliability engineer, and a person who passes ARP-L should be able to manage and lead a reliability improvement initiative.

IF I HAVE ALREADY RECEIVED EQUIVALENT TRAINING, CAN I TAKE THE EXAM?

Yes. We will need to see some evidence that you have taken the training, that the training covered the required topics, but it is not necessary to retake any training.

WHAT IS THE RELATIONSHIP BETWEEN MOBIUS INSTITUTE AND THE MOBIUS INSTITUTE BOARD OF CERTIFICATION (MIBOC)?

Mobius Institute is a private training, conference, and media organization. Some of the training offered by Mobius Institute has been approved by the Mobius Institute Board of Certification. At the time of this writing, there were approximately 130 organizations in 60 countries that have been approved to teach the Mobius Institute courses in 23 languages.

Mobius Institute Board of Certification (MIBoC) is a private organization, however it operates in the same way as a not-for-profit organization (except that, due to Australian taxation law, we do not have not-for-profit status because we service organizations outside Australia, therefore we pay tax on all revenue received, unlike other not-for-profit organizations.) MIBoC is governed by the MIBoC Governing Body, and all of its procedures are defined by independent Scheme Committees. All technical matters are defined by independent Technical Committees.

IS THE TRAINING AND EXAM SPECIFIC TO MOBIUS INSTITUTE THEORY?

No. For many years there has been a body of knowledge associated with reliability and performance improvement, including best practices in maintenance, condition monitoring, asset strategy development, reliability engineering, and other related topics. While a Mobius Institute course may have a unique way of presenting the material, Mobius Institute courses simply teach well documented best practices.

CAN I TAKE A MOBIUS INSTITUTE COURSE, AND THEN TAKE THE CMRP OR CMRT EXAM?

Yes. The topics covered in the Mobius Institute courses will prepare you for the SMRP certification exams. You will simply have to make arrangements with the organization providing that training, and SMRP, to ensure that you can take an exam after you have been trained.

IF I HAVE TAKEN THE CRL COURSE CAN I TAKE THE ARP-A EXAM?

Yes. If you have evidence that you took the course, then you are welcome to take the ARP-A exam so that you are certified by an accredited certification body.

CAN THE ARP EXAMS BE TAKEN ONLINE?

Yes. It will be necessary to coordinate with the Mobius Institute Board of Certification (MIBoC) as there are certain procedures that must be followed.

IS IT POSSIBLE TO TAKE THE ARP EXAMS AT THE MOBIUS CONNECT TRAINING CONFERENCES?

Yes, many people take the ARP (and other) exams at our training conferences. Please contact the certification manager to organize the exam.

WHAT IS THE RELATIONSHIP BETWEEN THE ASSET RELIABILITY PRACTITIONER CERTIFICATIONS AND THE SMRP CMRP CERTIFICATION?

If you have knowledge and experience in the field of reliability and performance improvement, then the ARP-A course may aid you in the preparation for the CMRP exam. However, given that the main aim of the ARP-A course is to create detailed awareness rather than detailed knowledge, you are best advised to take the longer ARP-E course to fully understand Reliability Engineering.

It should be stated that the SMRP certification scheme has been developed with the highest standards, and the CMRP scheme is accredited to ISO/IEC 17024. The Mobius Institute Board of Certification [MIBoC] processes mirror the SMRP processes, and MIBoC is accredited to the same standard.

CAN I HAVE THE TRAINING COURSE I HAVE DEVELOPED RECOGNIZED BY THE MOBIUS INSTITUTE BOARD OF CERTIFICATION AND THEN ORGANIZE FOR PEOPLE TO TAKE THE ARP EXAM AFTERWARDS?

Yes. Your training material will need to be approved by the independent Technical Committee established by MIBoC, and the Technical Committee members to review your course are chosen to ensure there is no conflict of interest.

CAN I BE APPROVED TO TEACH THE MOBIUS INSTITUTE COURSES AND THEN OFFER THE MOBIUS INSTITUTE BOARD OF CERTIFICATION EXAM?

Yes. We have a simple but proven method to become an Approved Training Center. We have been working with companies in 60 countries around the world to teach other Mobius Institute courses, and we would certainly like the opportunity to work with you as well. As you can imagine, we need to ensure that you are qualified in the subject areas, that you have experience teaching courses, and you have a business capable of supporting these activities. And once you are approved, you will take additional training to ensure you are confident and competent in teaching the Mobius Institute courses.

WHY DOES MOBIUS INSTITUTE USE THE PHRASE "RELIABILITY AND PERFORMANCE IMPROVEMENT" RATHER THAN SIMPLY "RELIABILITY IMPROVEMENT" OR "MAINTENANCE AND RELIABILITY IMPROVEMENT"?

The reason that most organizations seek to improve reliability is to improve the performance of the organization.

Ultimately most organizations wish to improve financial performance; whether that's increased profits, or reduced expenses in the case of a government organization, for example. Organizations must also seek to improve their safety and environmental performance. In order to achieve the company's goals, the organization must perform better in many departments of the company, including maintenance, operations/production, procurement, materials and work management, and engineering.

While we seek to improve reliability, we are not improving reliability for reliability's sake; we are making improvements that add value to the organization, ultimately by improving performance.

CAN THE ARP COURSES BE DELIVERED AT OUR SITE?

Yes. The ARP-A "Reliability Advocate" course would be perfect for an on-site course, and it has been delivered on-site many times. We can either "simply" teach the course or we can work with you to expand the course so that you can relate the topics of the course, and the issues raised during the course, to the reality in your plant. In that case, we could team up with someone within your organization who can ask the ideal questions at the ideal time.

There are actually two versions of the ARP-A course. The standard course which is taught during conferences and public training sessions, and a course that we call the ARP-A "PLANT-WIDE AWARENESS" course. This course was developed for people who will not actually work in the role of which the primary goal is to improve reliability, who therefore need to understand how to implement the program, the challenges of culture change, the business case, and other issues. The "PLANT-WIDE AWARENESS" is perfect for people who work in the plant and simply need to know why reliability should be improved, how they will benefit, how they can contribute to the program, and to demystify all of the technologies and terminology.

It is an excellent course if you want to ensure that everyone is on the same page, pulling in the same direction.