Job Title: Operating Systems Engineer
Department: Engineering
Job Relationships:
>   Reports to: Software Engineering Manager, Engineering
>   Supervises: None

Position Summary:
Responsible for creating and maintaining the operating systems for Prentke Romich Company communication device. Customize device OSs to meet Engineering and Market requirements. Works in a team environment, closely collaborating with the software and hardware engineering team. Provides support for members of the engineering team and other departments as required. A strong attention to detail and through knowledge of OS configuration and deployment is required for this position.

Specific Duties and Responsibilities:

1. Work with Software Engineering Manager to determine OS requirements.
2. Monitor news regarding OS changes and updates.
3. Test new OS updates including feature enhancements on devices.
4. Create and release master OS images for use in Manufacturing
5. Create documents to assist Manufacturing for applying OS image to devices.
6. Where applicable, create testing environments for devices and OSs to ensure compliance with functional specifications and other requirements.
7. Maintain documentation to ensure that it accurately reflects the OS implementation.
8. Assist in testing product solutions and in implementing changes as required for product release.
9. Work closely with hardware engineers and provide input to help optimize the overall product design.
10. Document and maintain OSs in accordance with Engineering policies and such that it can be understood and altered by any competent engineer. Maintain documentation, versions and revisions of software as needed to meet requirements.
11. Assist in training other staff when required. Act as a technical resource for other engineers, service staff, and other departments as required.
12. Provide the necessary technical information defining the operation and function of the design to the Hardware/Software Test Engineer, allowing the development of test procedures.
13. Support the development of printed and electronic documentation.
14. Release completed designs to production through standard Engineering procedures.
15. Attend department and applicable specific product meetings to obtain and communicate relevant information.
16. Strives to expand knowledge of recent developments and directions in the Windows, Android and iOS tablet/computer field, as well as the aspects of the AAC field in general, particularly how these issues affect the users of the products being designed.
17. Provide technical assistance to the service and manufacturing departments as required.
18. Develop support tools necessary to simplify product manufacturing, service support, international development/translations and icon maintenance.
19. Other duties and responsibilities as assigned.

Skillful Communications:
>   Frequent contact with Product Managers and other engineering staff. Requires resourcefulness, tact, negotiating/problem solving abilities.

Education and Experience:
1. Minimum A.S. in computer science or Computer, or System Engineering equivalent education and experience.
2. Preferred to have at least three years' experience in OS management/deployment. Appropriate internship, co-op, or similar work experience may be acceptable. Helpful if experienced with Microsoft OS deployment tools.
3. Experience with Microsoft Deployment Toolkit is preferred
4. Prefer experience in Windows environment.

Knowledge, Skills, and Abilities:
1. Must be able to work independently with little supervision.
2. Must be able to work well with a team.
3. Must have sound decision-making and problem-solving abilities.
4. Must have enthusiasm for engineering in the field PRC serves.
5. Good understanding of a wide variety of digital and peripheral circuitry

Physical and Environmental Requirements:
- Fingering. Picking, pinching, typing or otherwise working, primarily with fingers rather than with the whole hand as in handling.
- Grasping. Applying pressure to an object with the fingers and palm.
- Feeling. Perceiving attributes of objects, such as size, shape, temperature or texture by touching with skin, particularly that of fingertips.
- Talking. Expressing or exchanging ideas by means of spoken word. Those activities in which they must convey detailed or important spoken instructions to other workers accurately, loudly, or quickly.
- Hearing. Perceiving the nature of sounds at normal speaking levels with or without correction. Ability to receive detailed information through oral communication, and to make the discriminations in sound.
- Repetitive Motion. Substantial movements (motions) of the wrists, hands, and/or fingers.
- Sedentary Work. Exerting up to 10 pounds of force occasionally and/or negligible amount of force frequently or constantly to lift, carry, push, pull or otherwise move objects, including the human body. Sedentary work involves sitting most of the time. Jobs are sedentary if walking and standing are required only occasionally and all other sedentary criteria are met.
- The worker is required to have close visual acuity to perform an activity such as: preparing and analyzing data and figures; transcribing; viewing a computer terminal; extensive reading; visual inspection involving small defects, small parts, and/or operation of machines (including inspection); using measurement devices; and/or assembly or fabrication parts at distances close to the eyes.
- The worker is not substantially exposed to adverse environmental conditions.