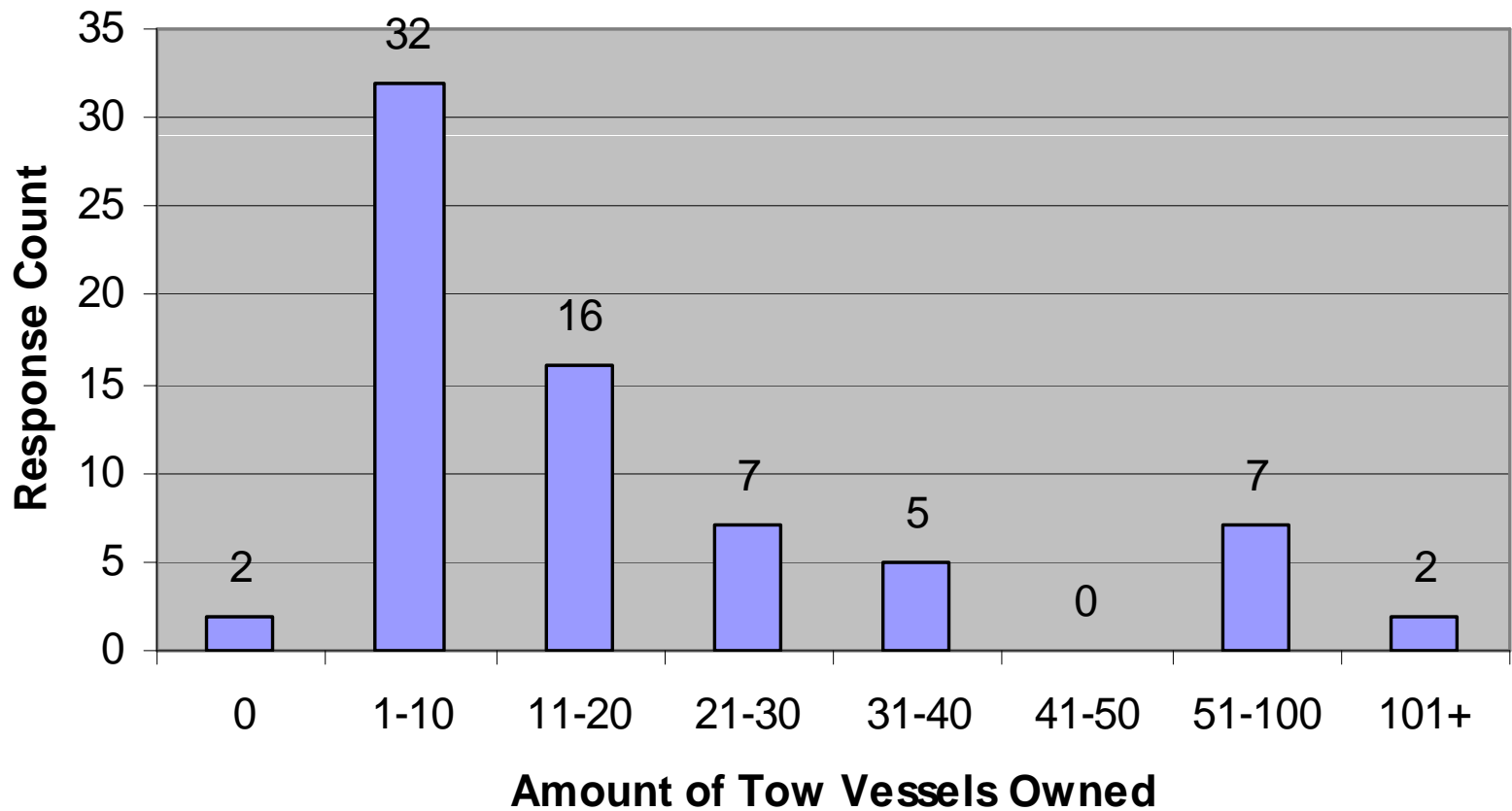
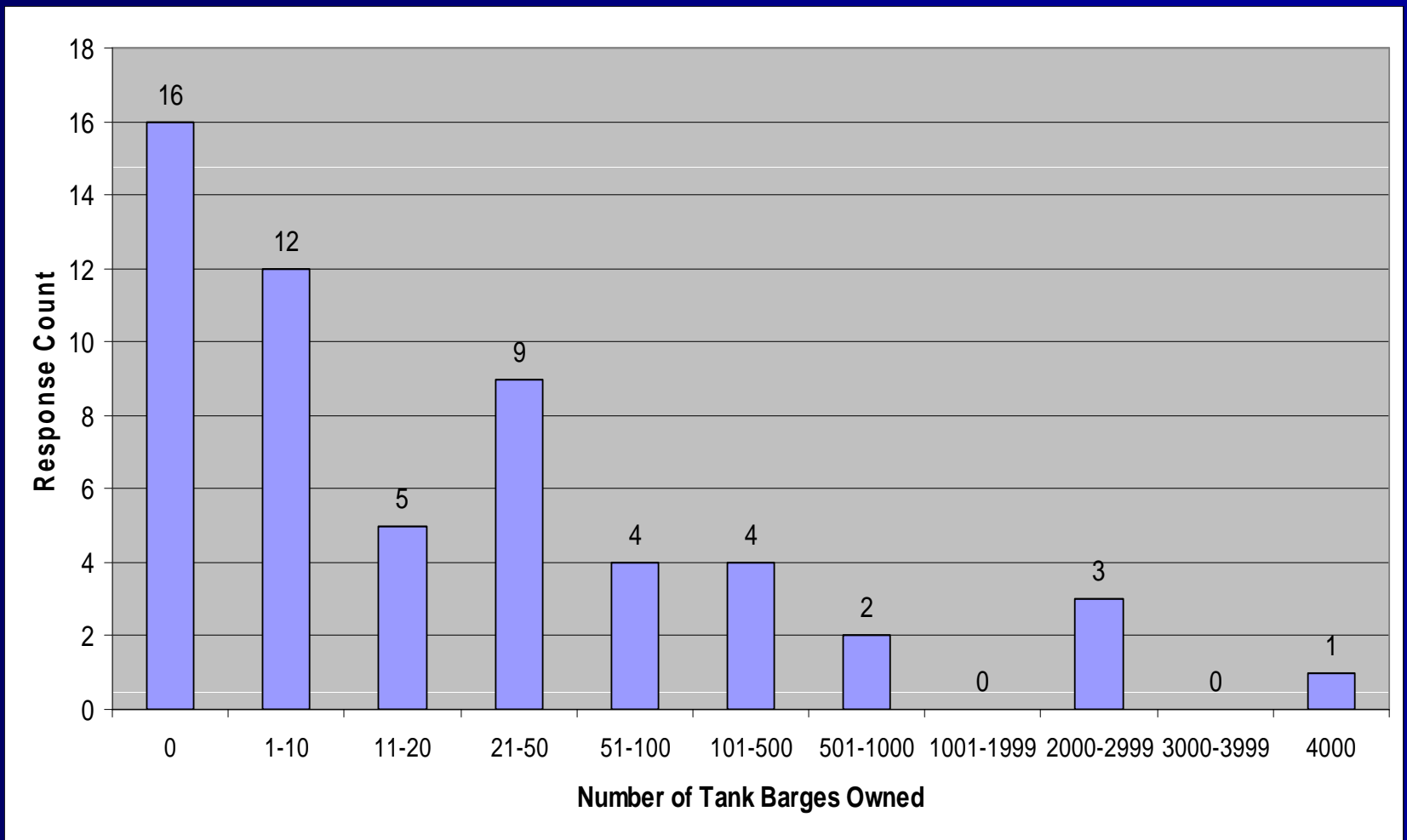


1. Amount of Tow Vessels Surveyed Companies Operate

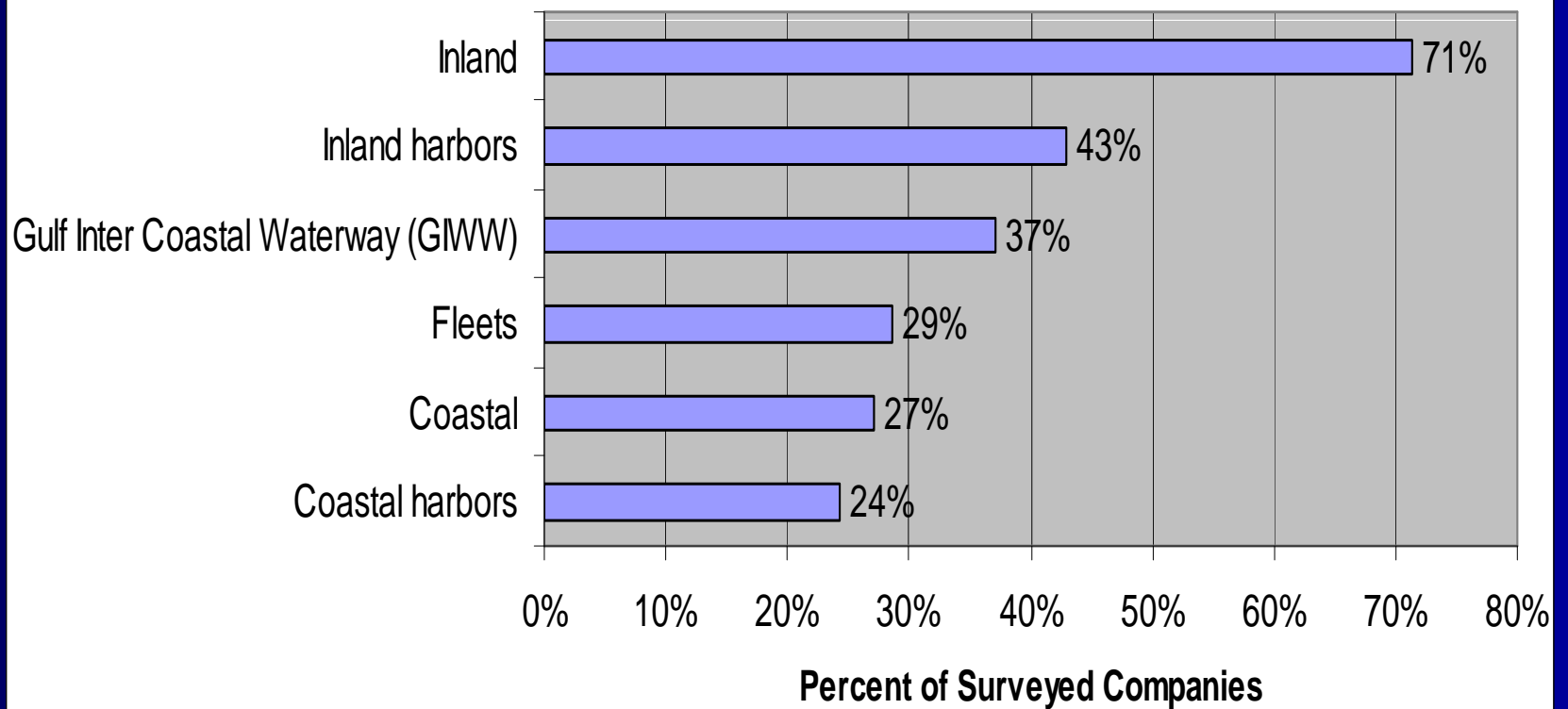


1. Amount of Barge Vessels Surveyed Companies Operate

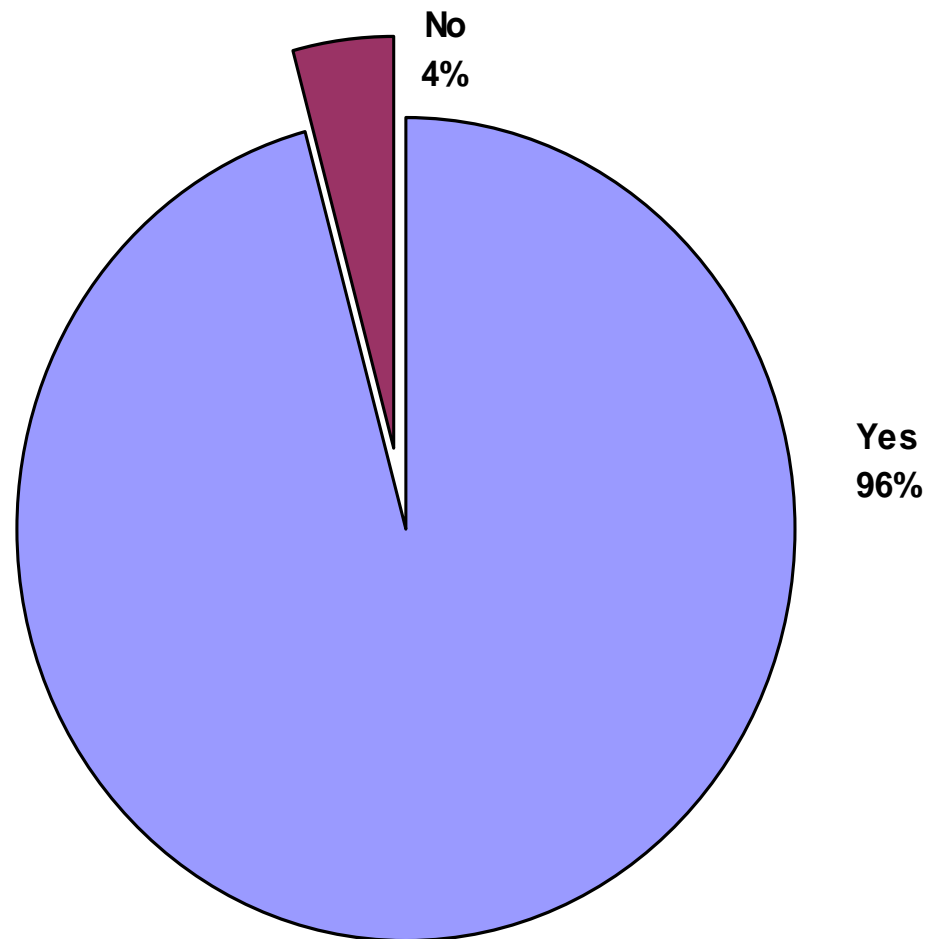


2. Areas of operation?

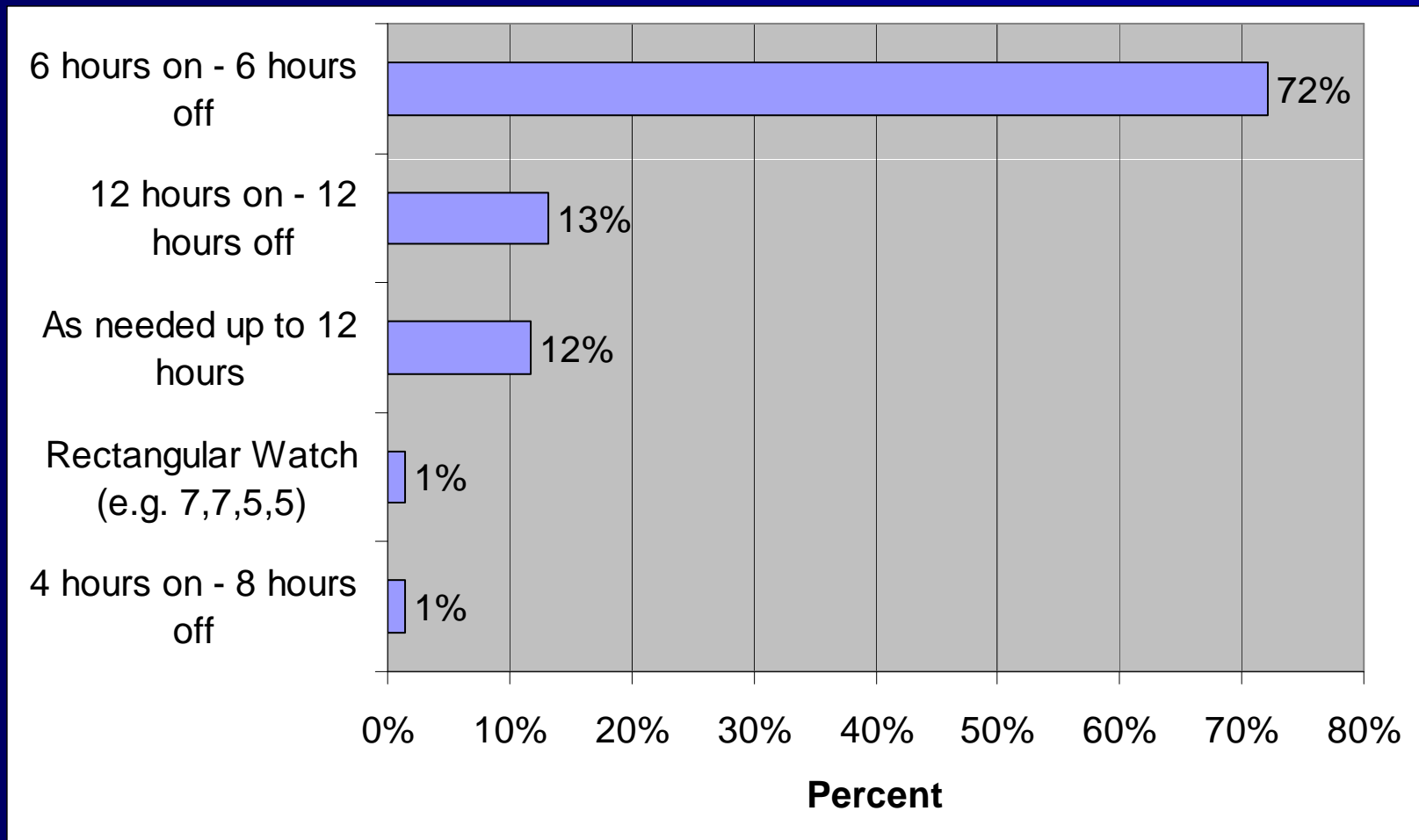
Surveyed Companies Area of Operations



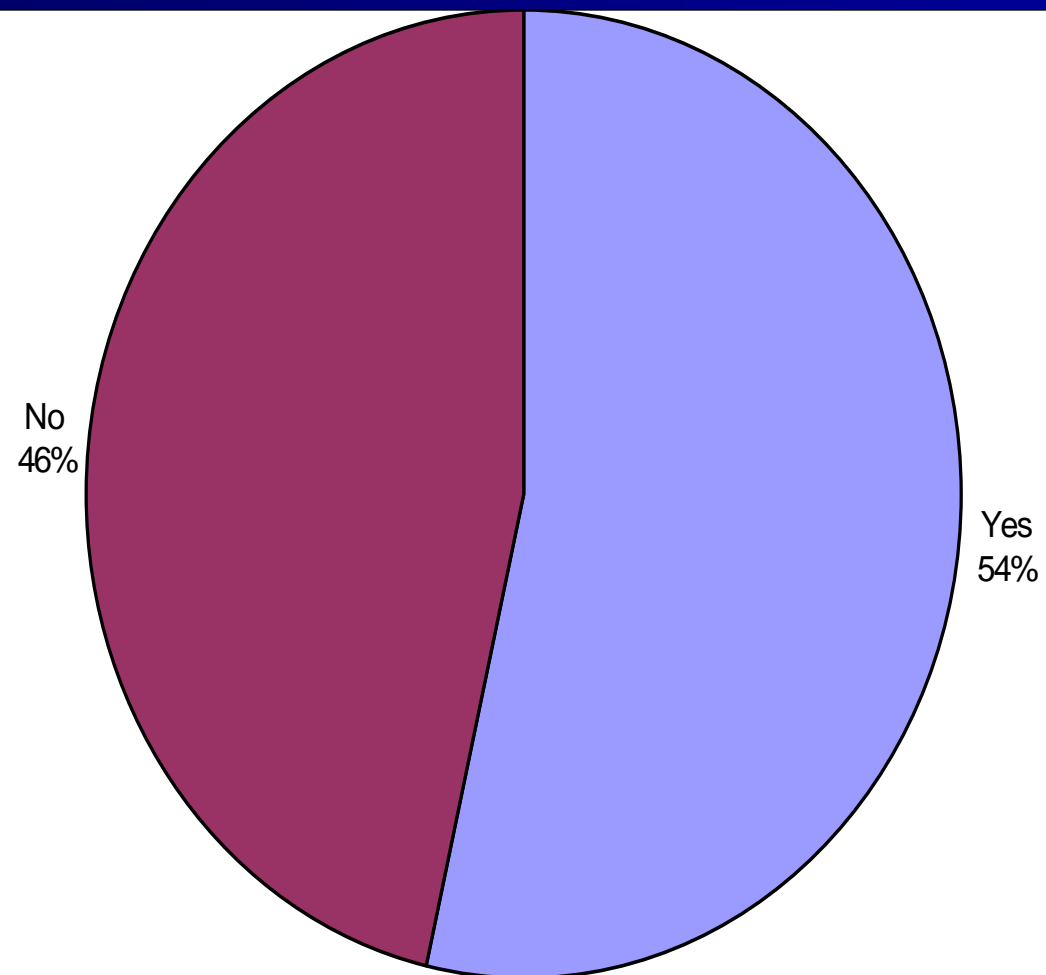
3. Have you heard of the United States Coast Guard Crew Endurance Management System (CEMS) program?



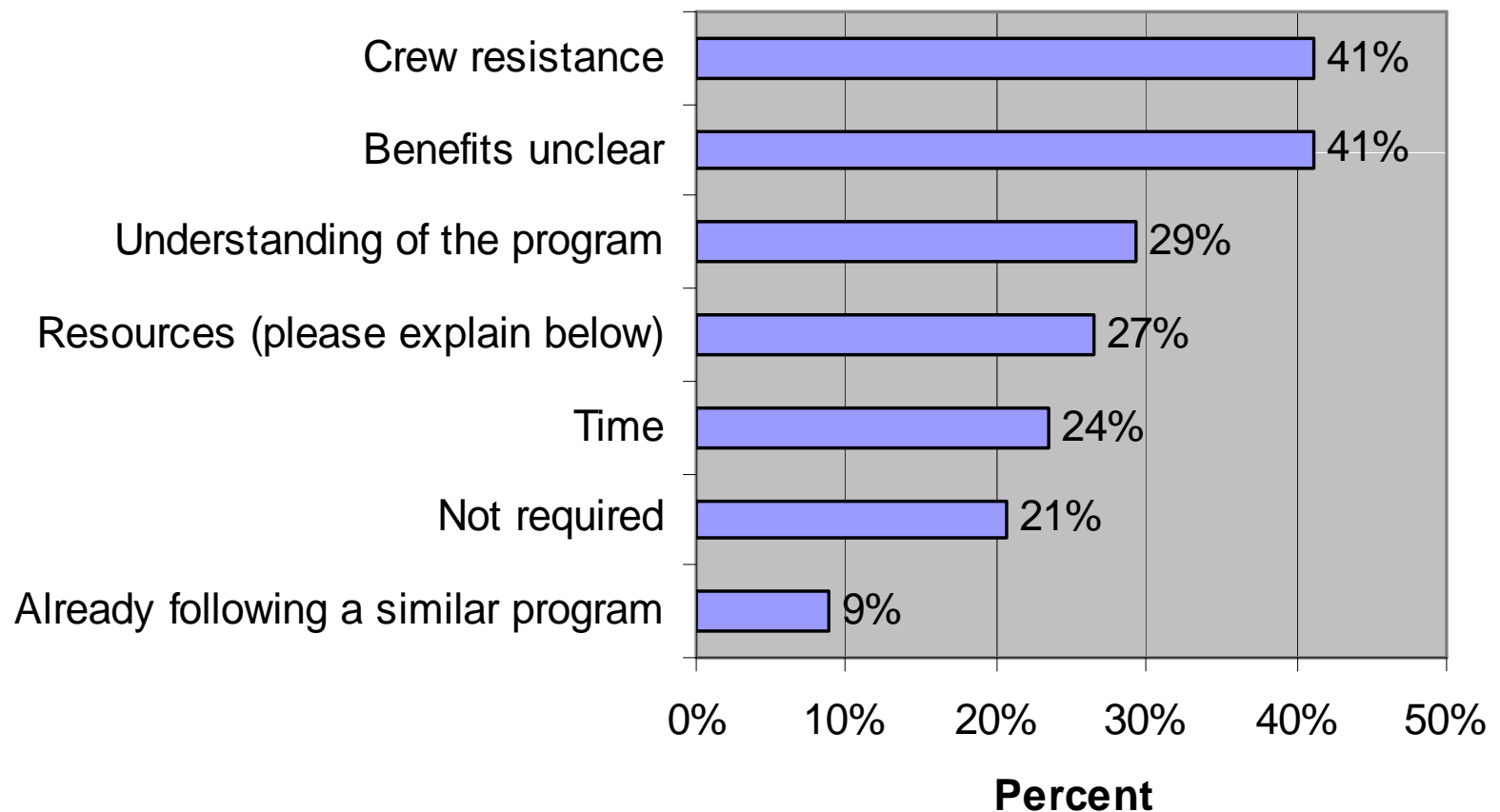
4. What schedule do your crewmembers currently work?



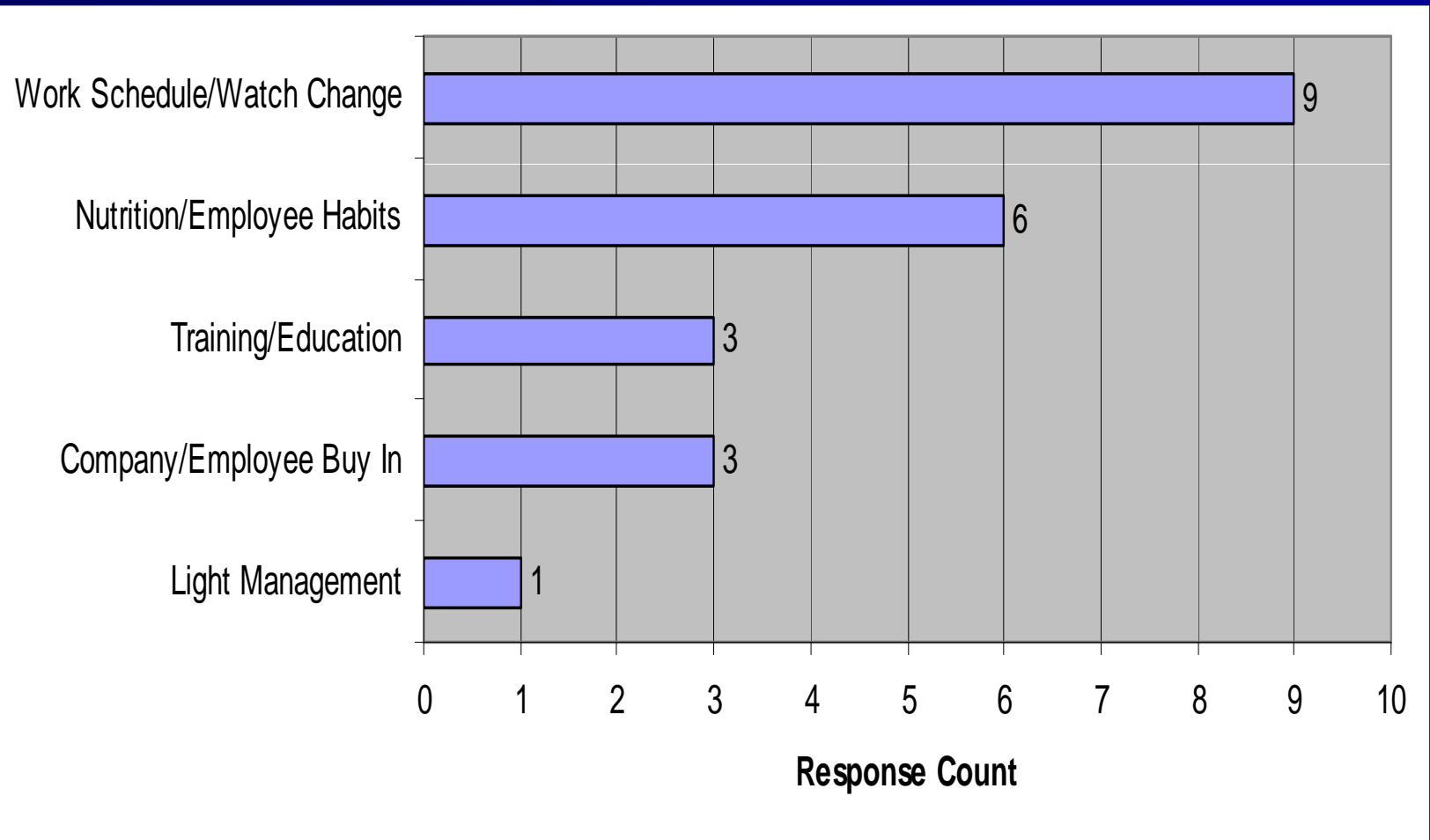
5. Have you begun implementing elements of CEMS?



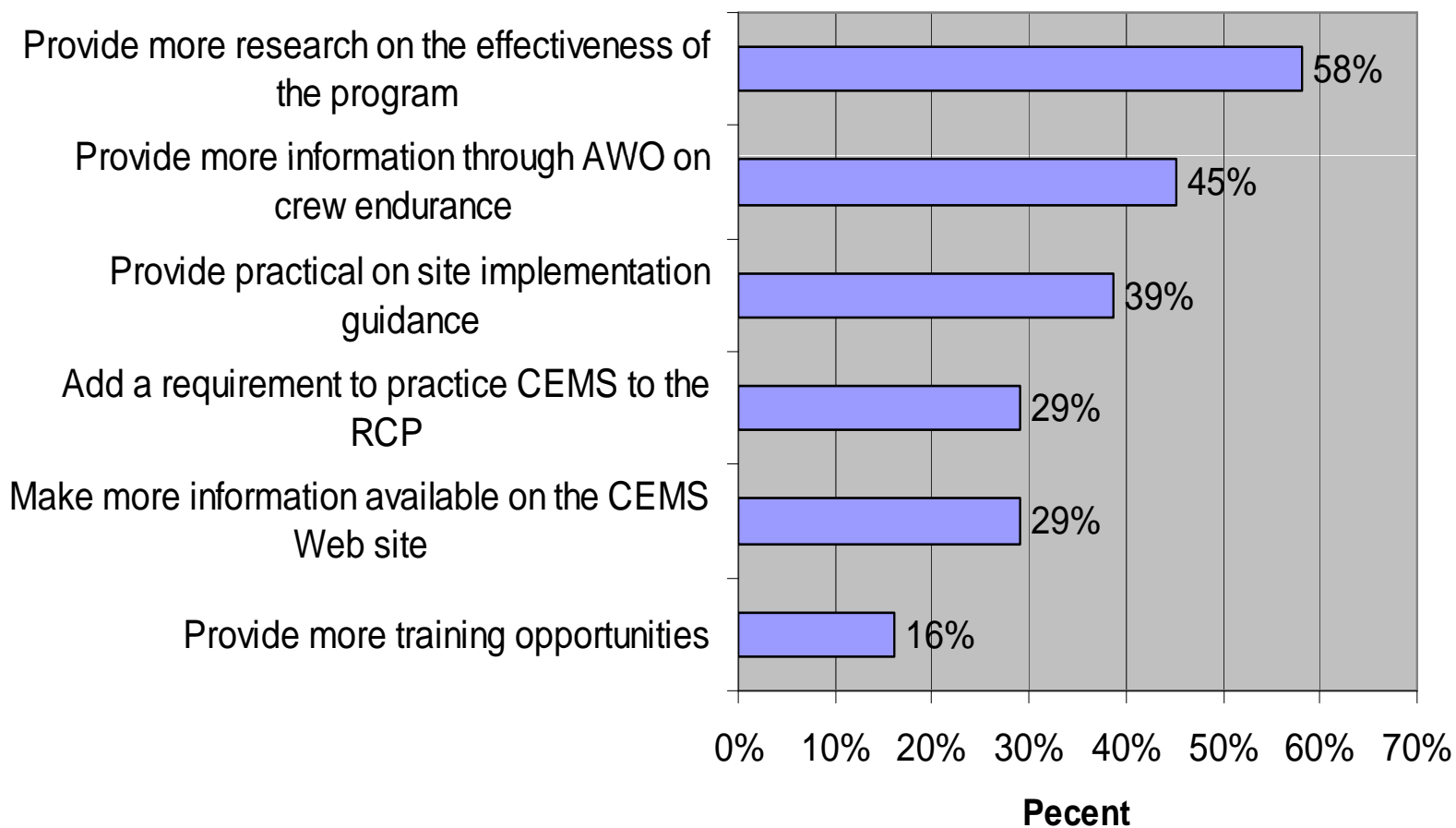
6. What prevents or delays your company from taking the first steps toward implementing CEMS? (check all that apply)



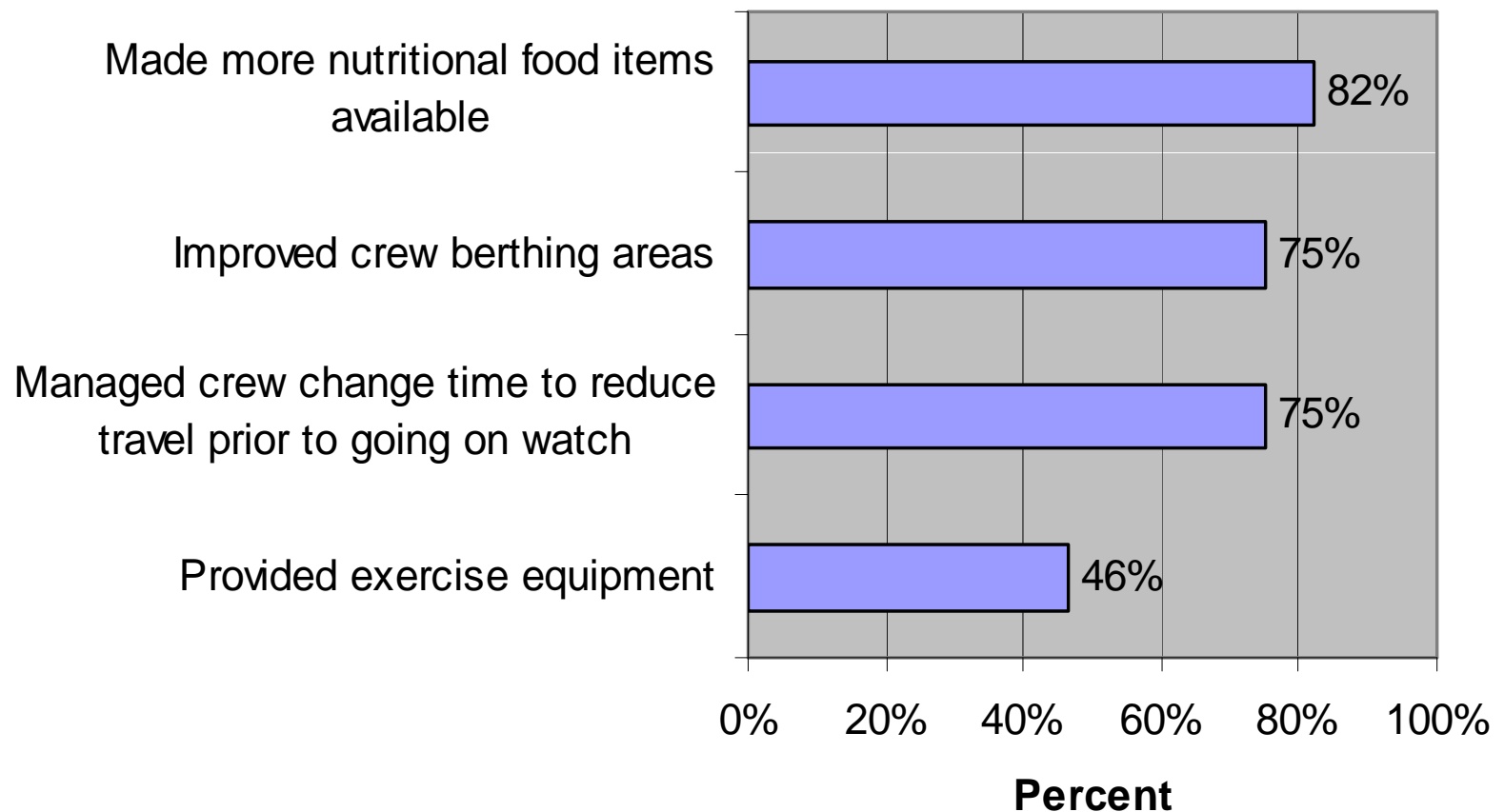
7. What elements of CEMS practices does your company perceive as most difficult to implement?



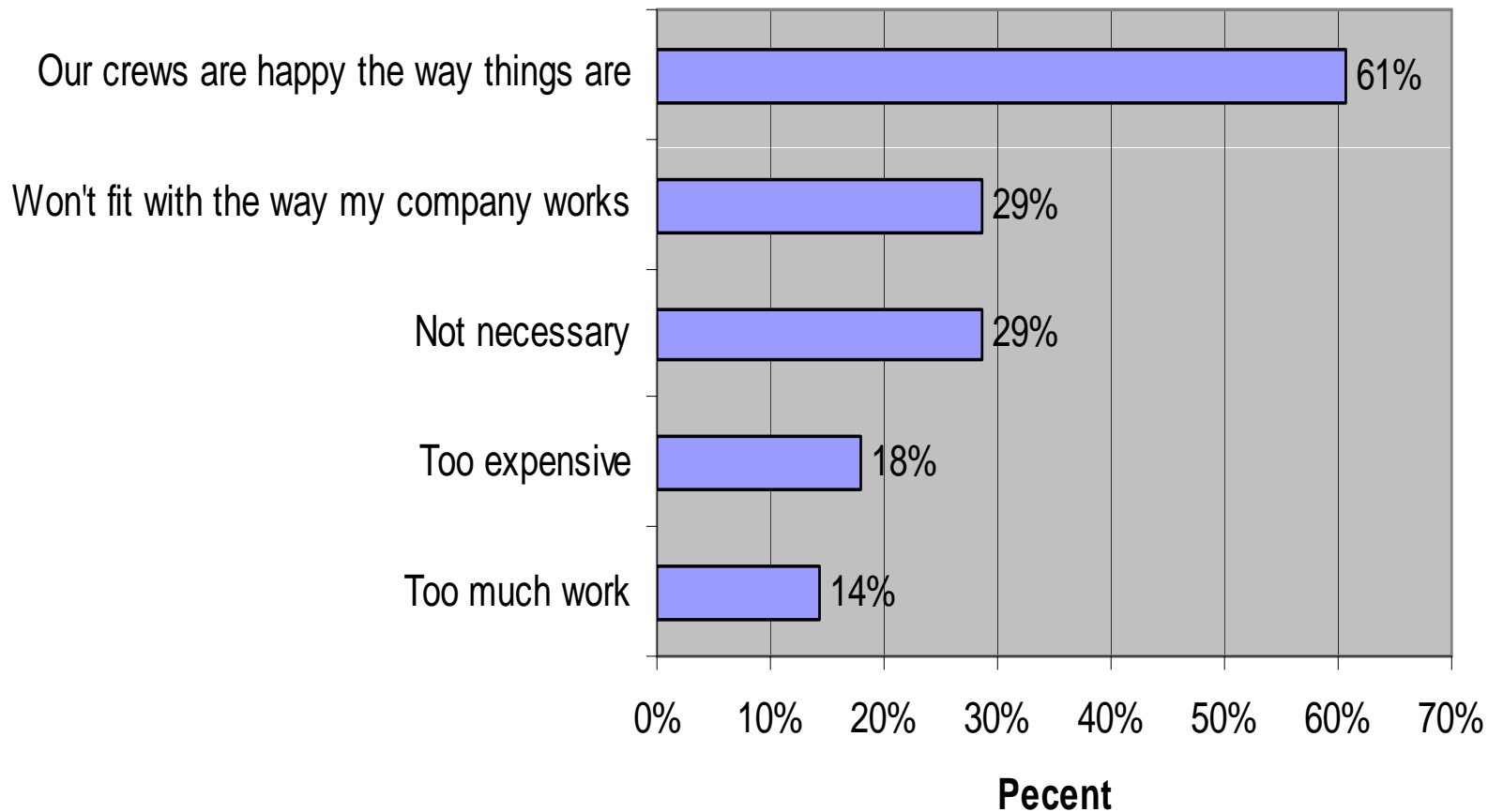
8. What actions could the Coast Guard and/or AWO take to encourage you to begin to implement CEMS? (check all that apply)



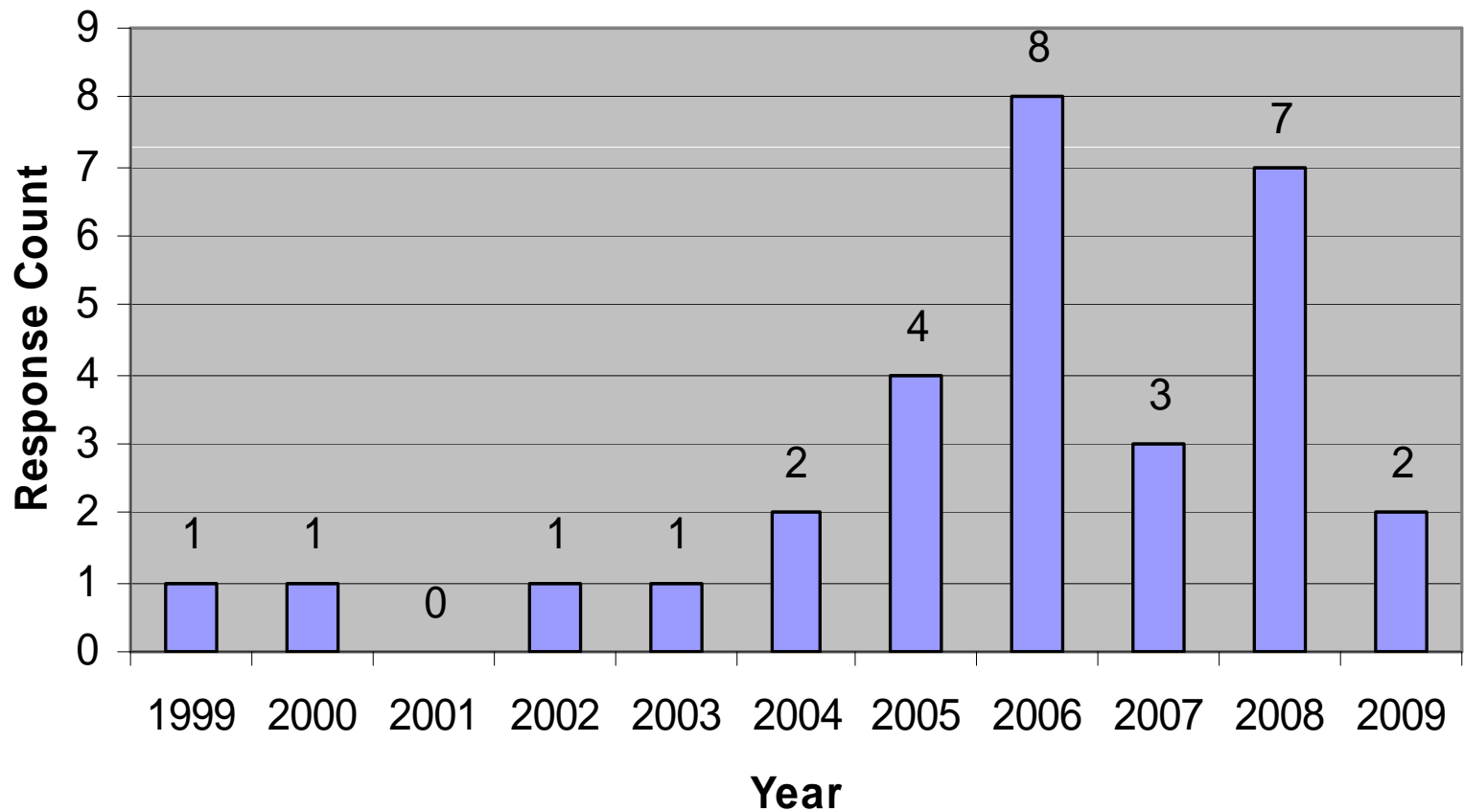
9. Even though your company does not practice CEMS, have you done any of the following? (check all that apply)



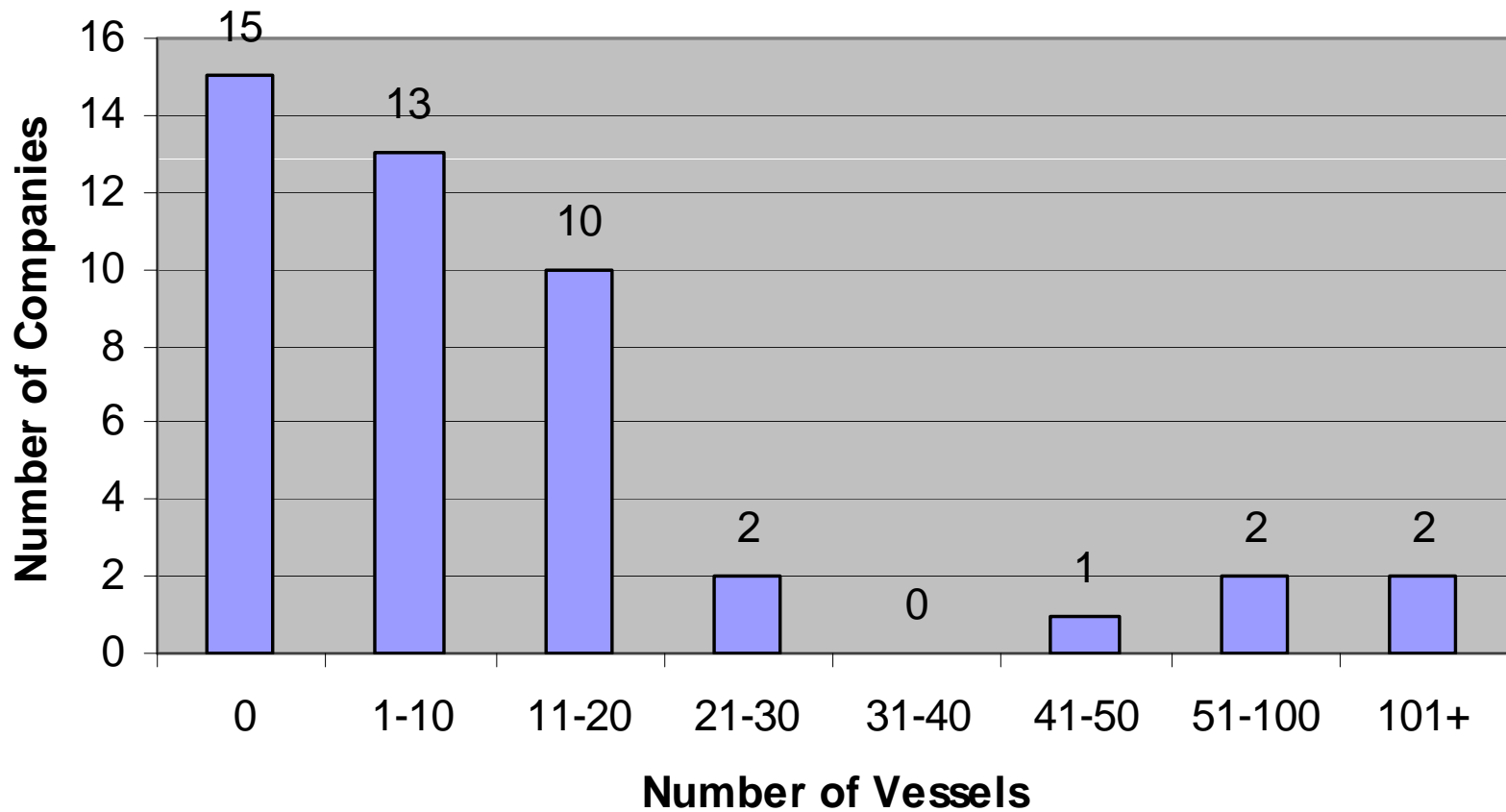
10. What is your company's perception of CEMS program?



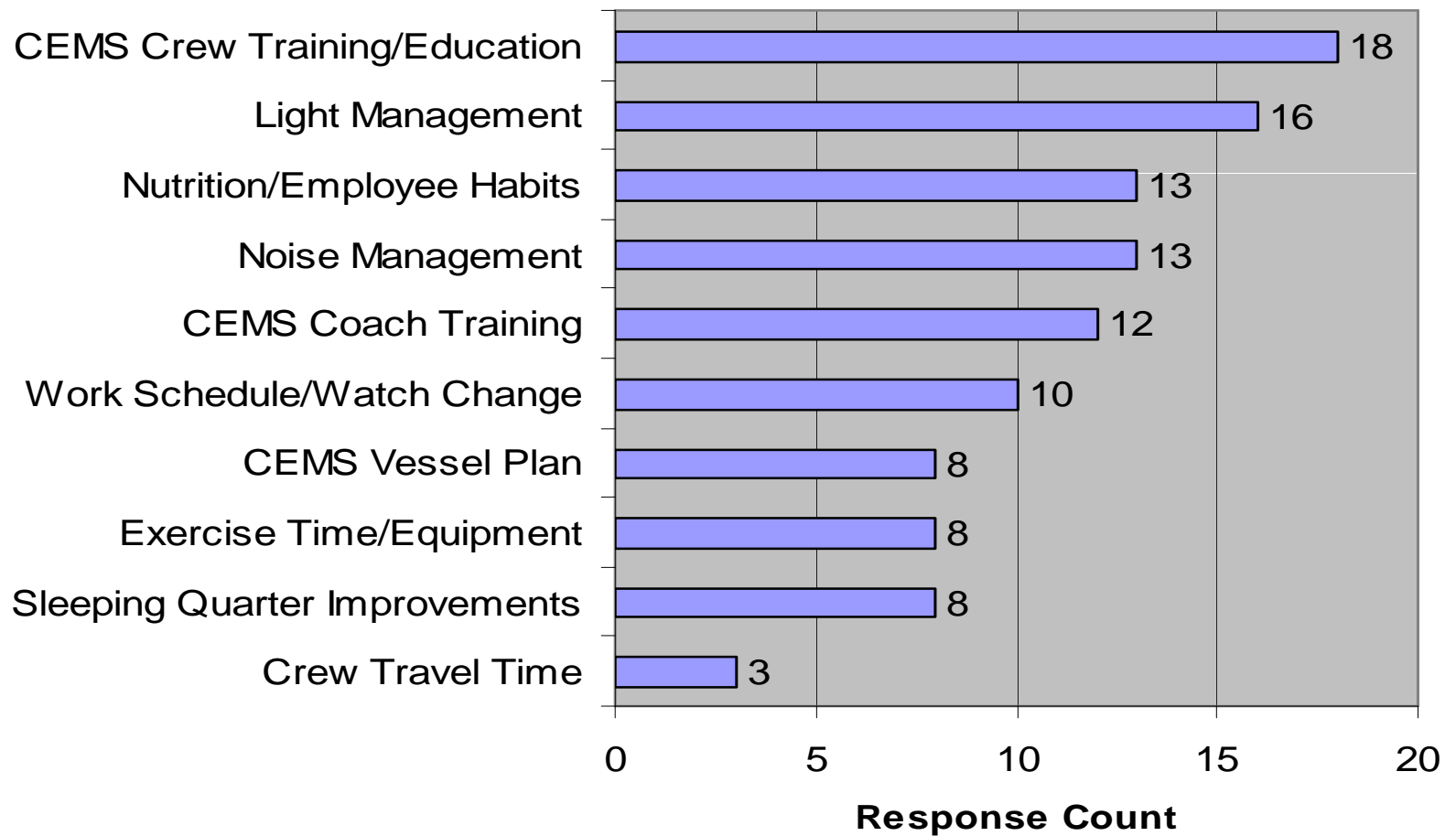
11. When did your company begin implementing CEMS?



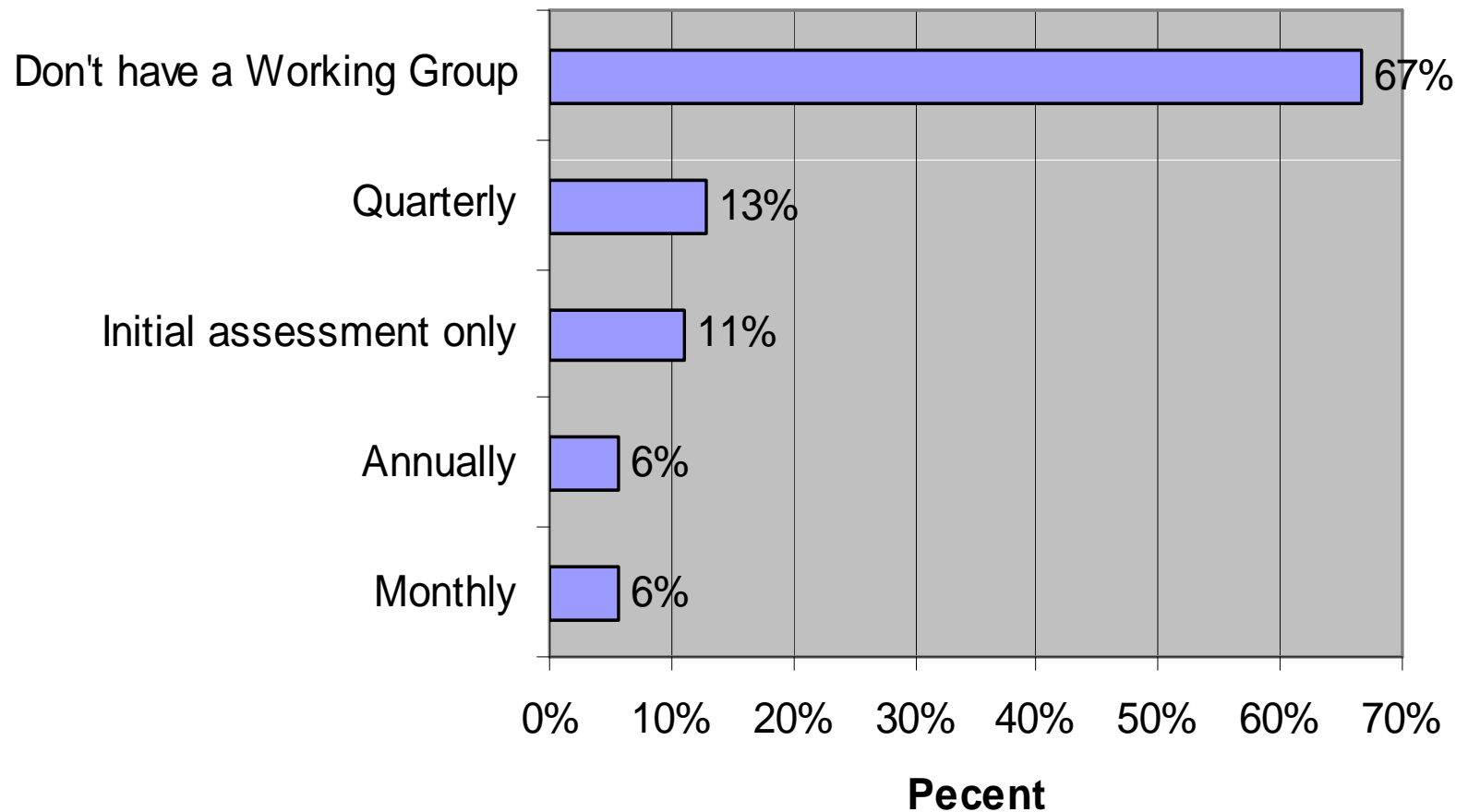
12. How many vessels operated by your company are currently practicing CEMS?



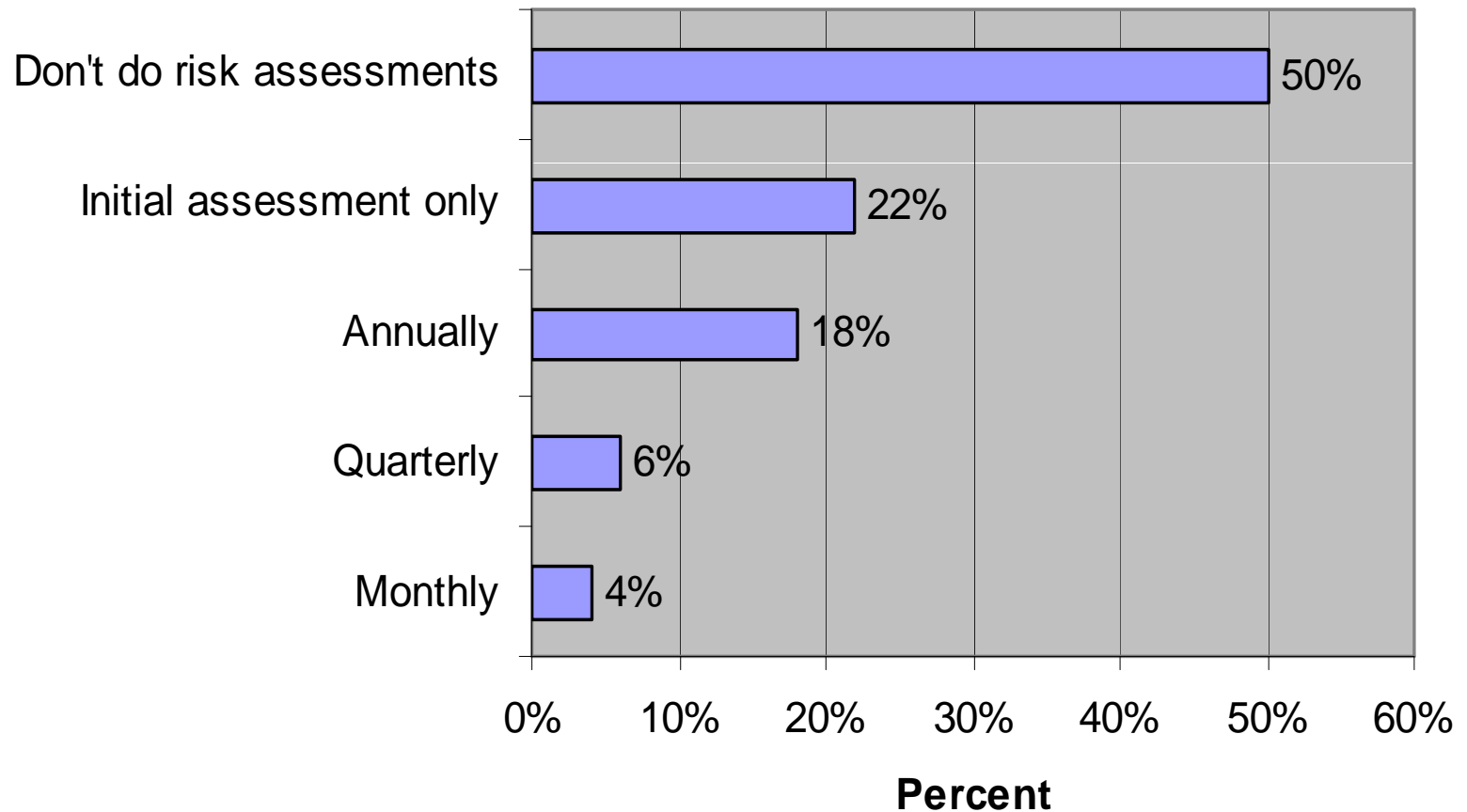
13. What implementation steps has your company taken in the CEMS process?



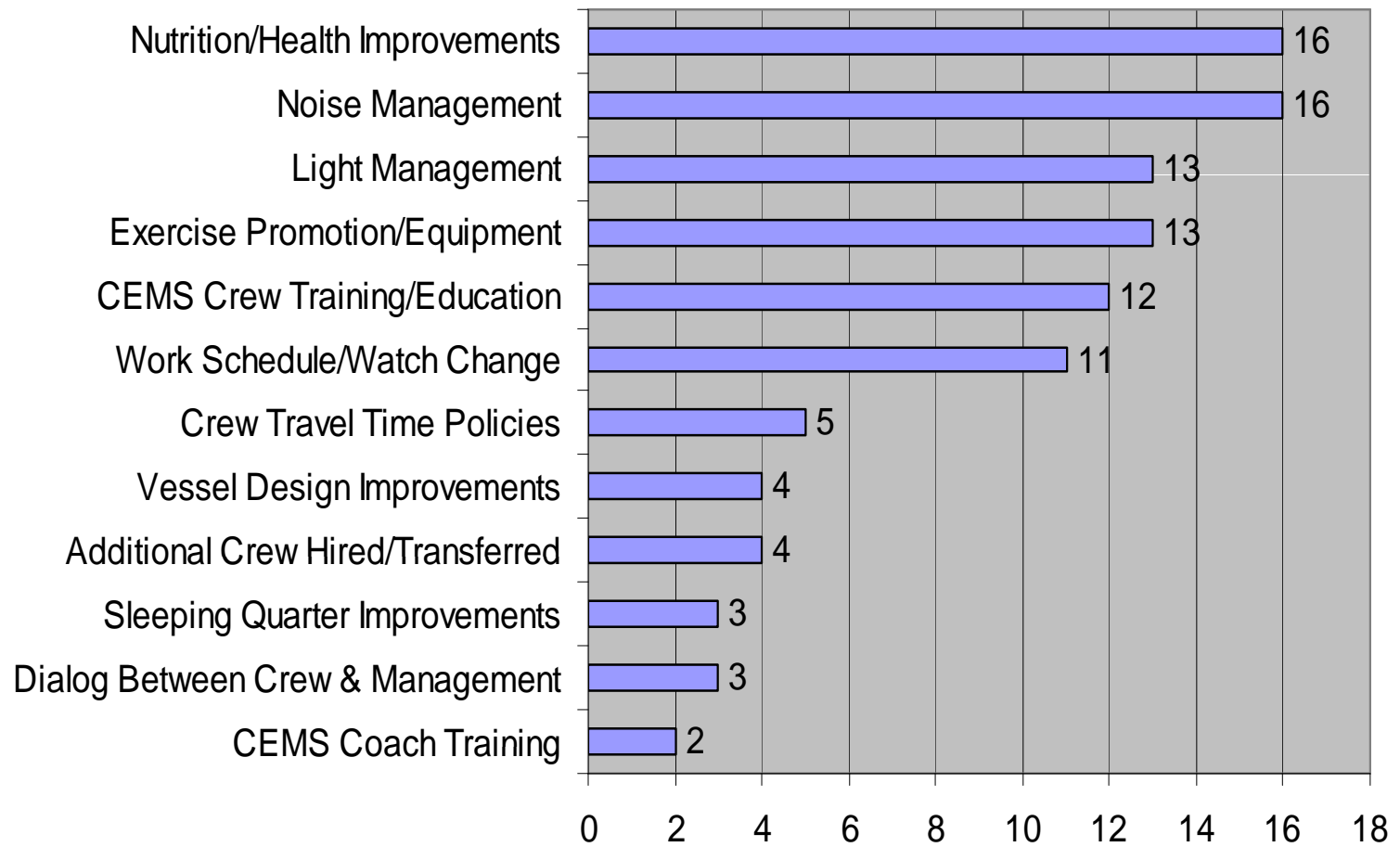
14. How often does your company's CEMS Working Group meet to review implementation progress?



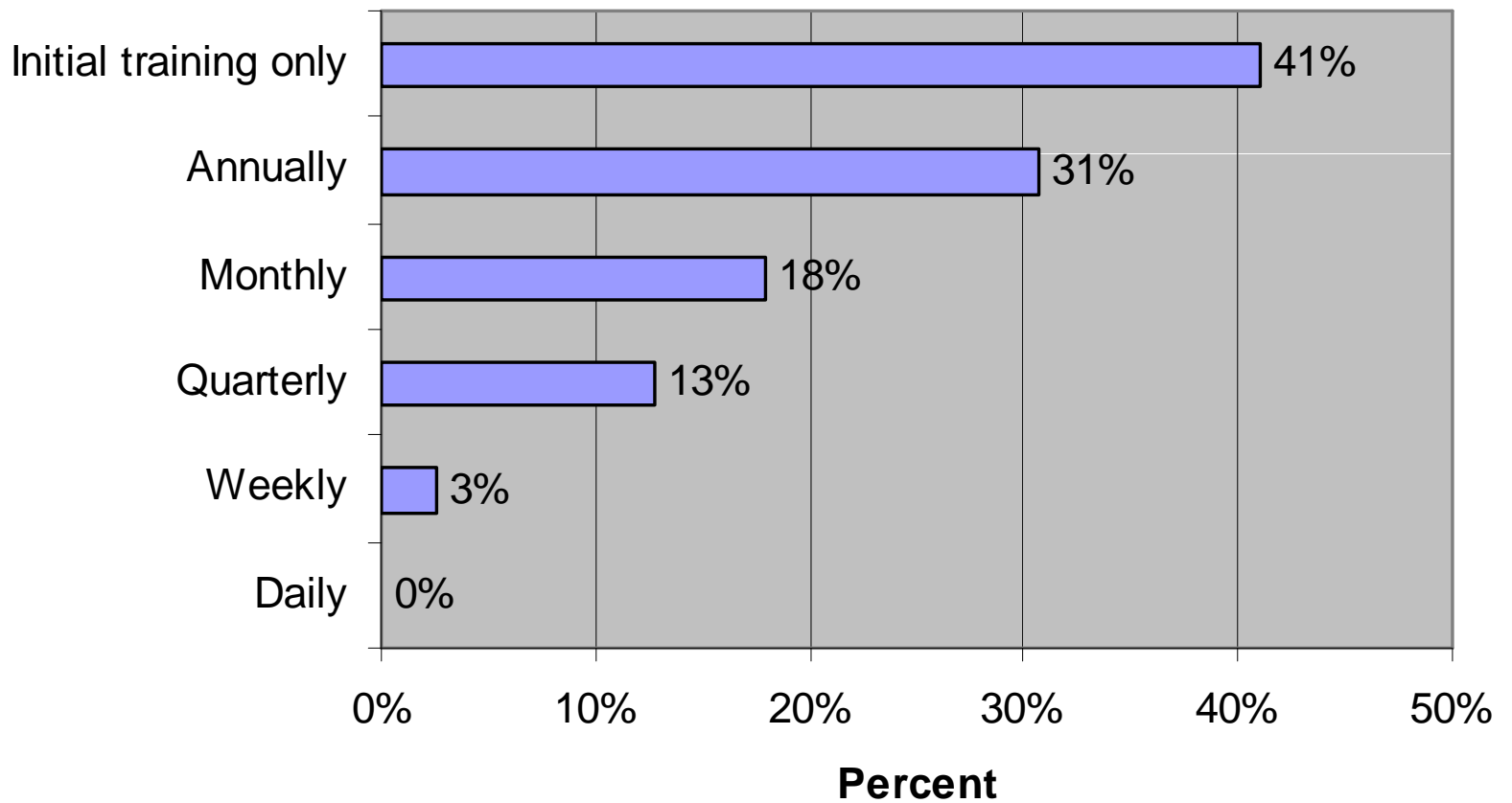
15. How often does your company conduct crew endurance risk assessments? (check all that apply)



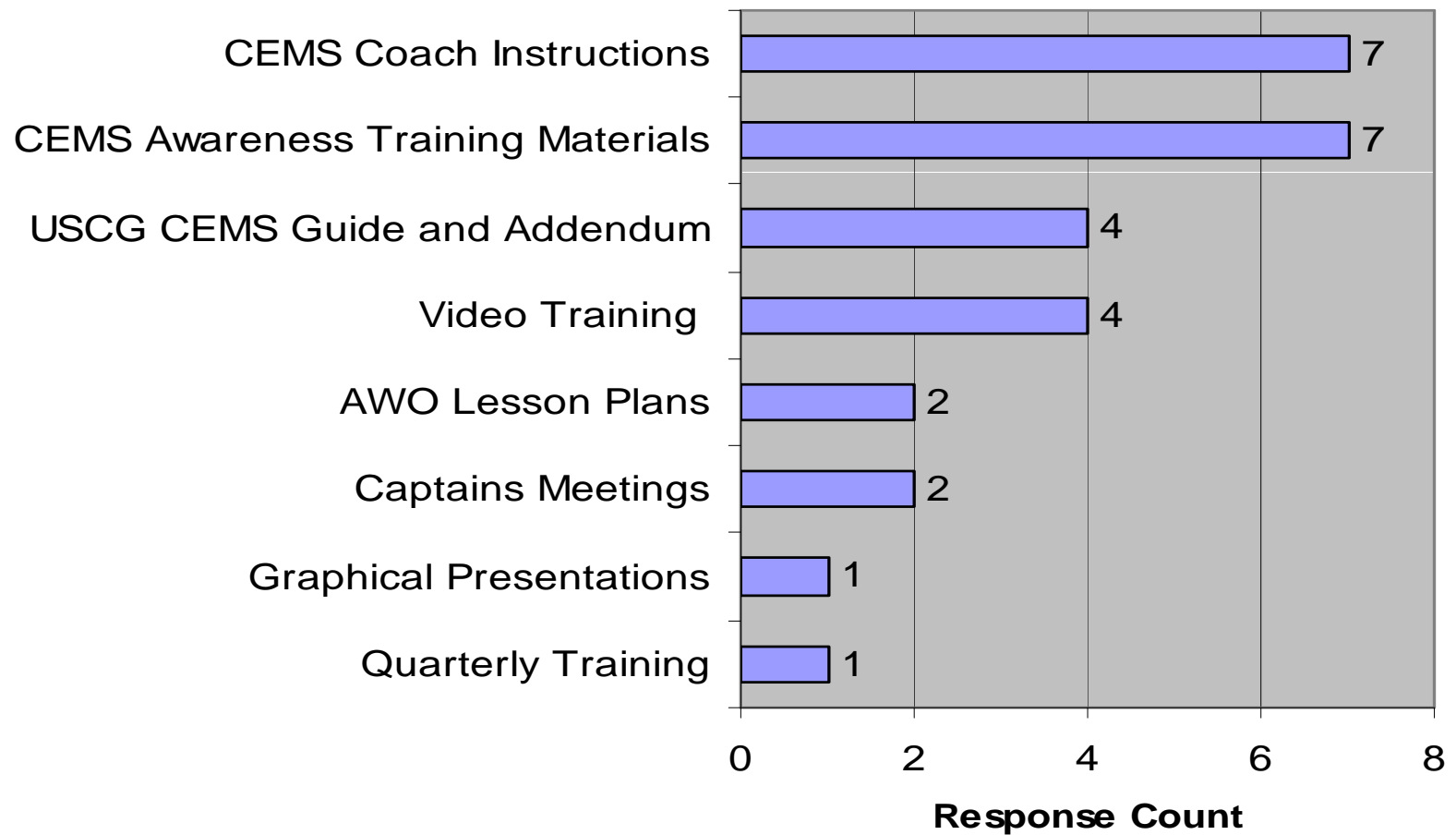
16. What practices and improvements have been taken to mitigate crew endurance risks at your company?



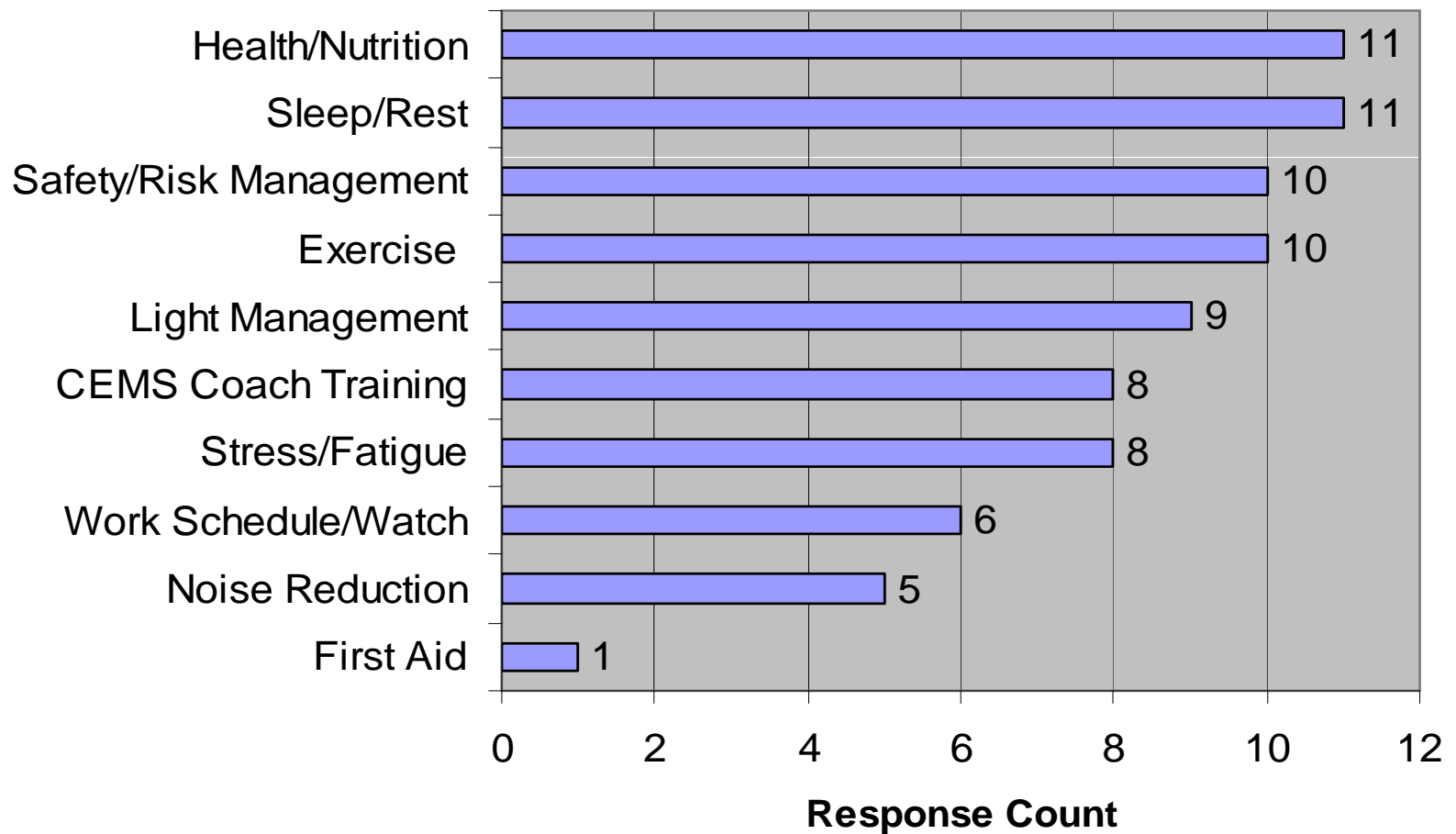
17. How often does your company hold CEMS training? (check all that apply)



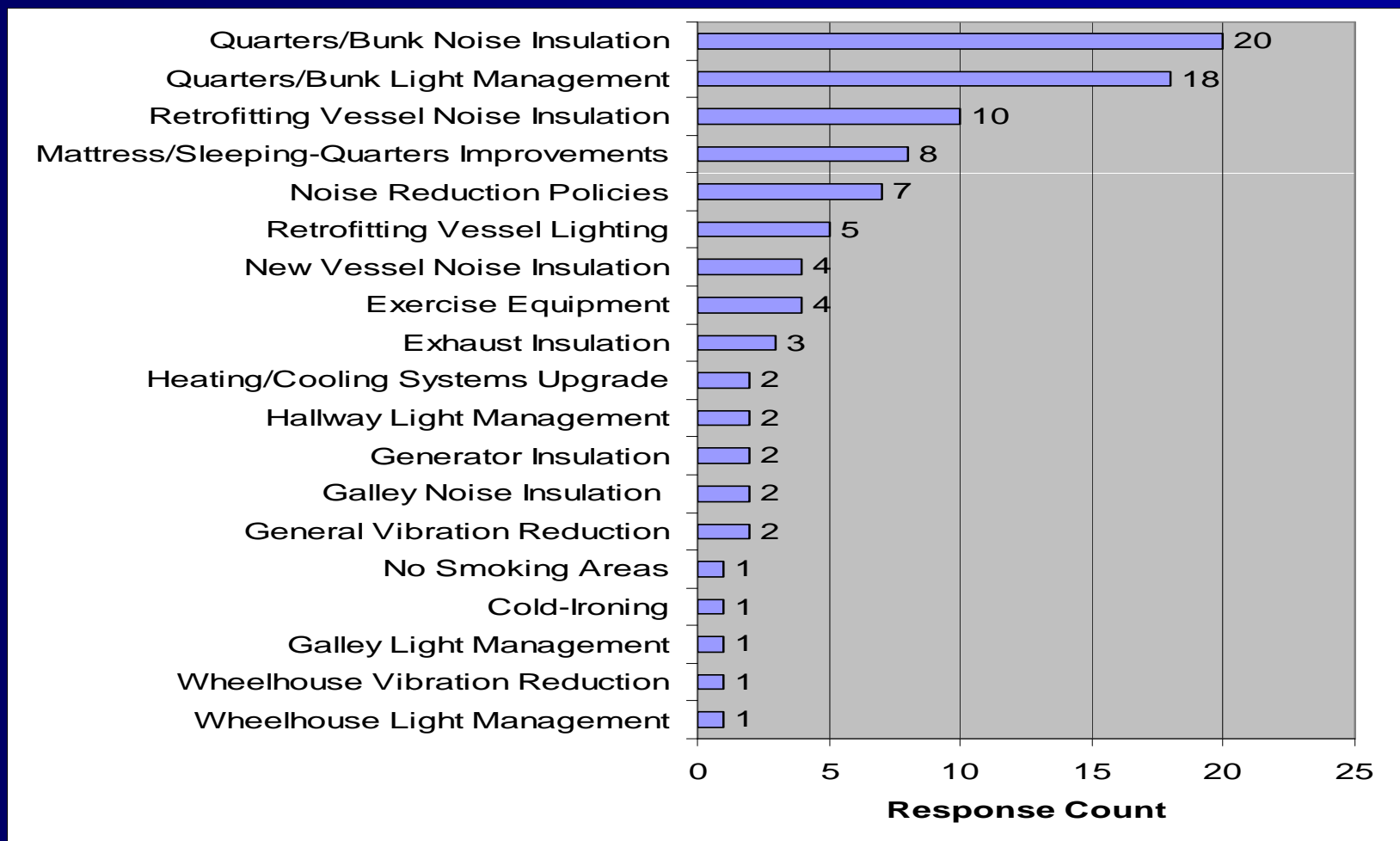
18. What type of CEMS training is provided by your company?



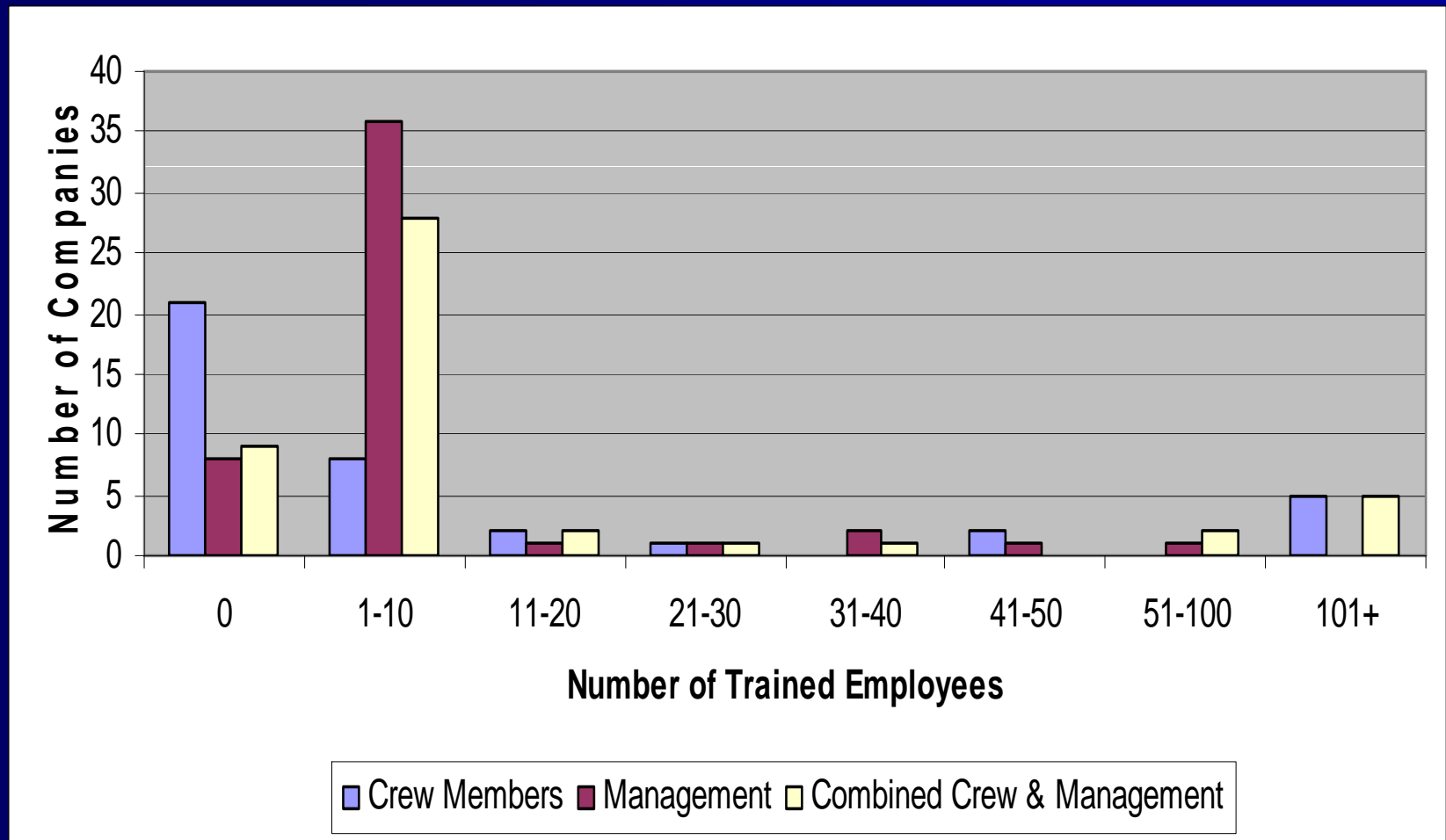
18. What type of CEMS topics are covered in your company training?



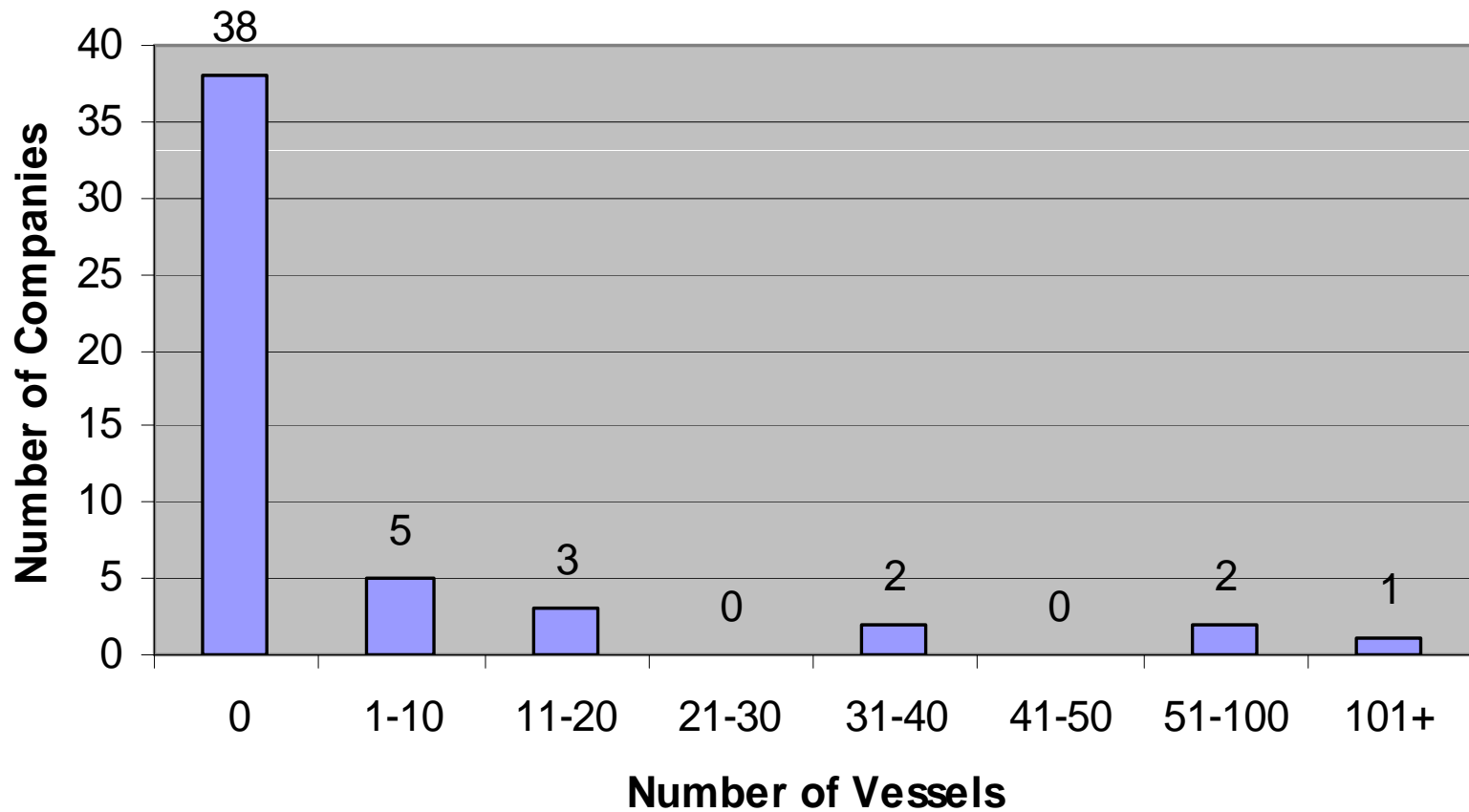
19. What environmental improvements have been made to the vessels?



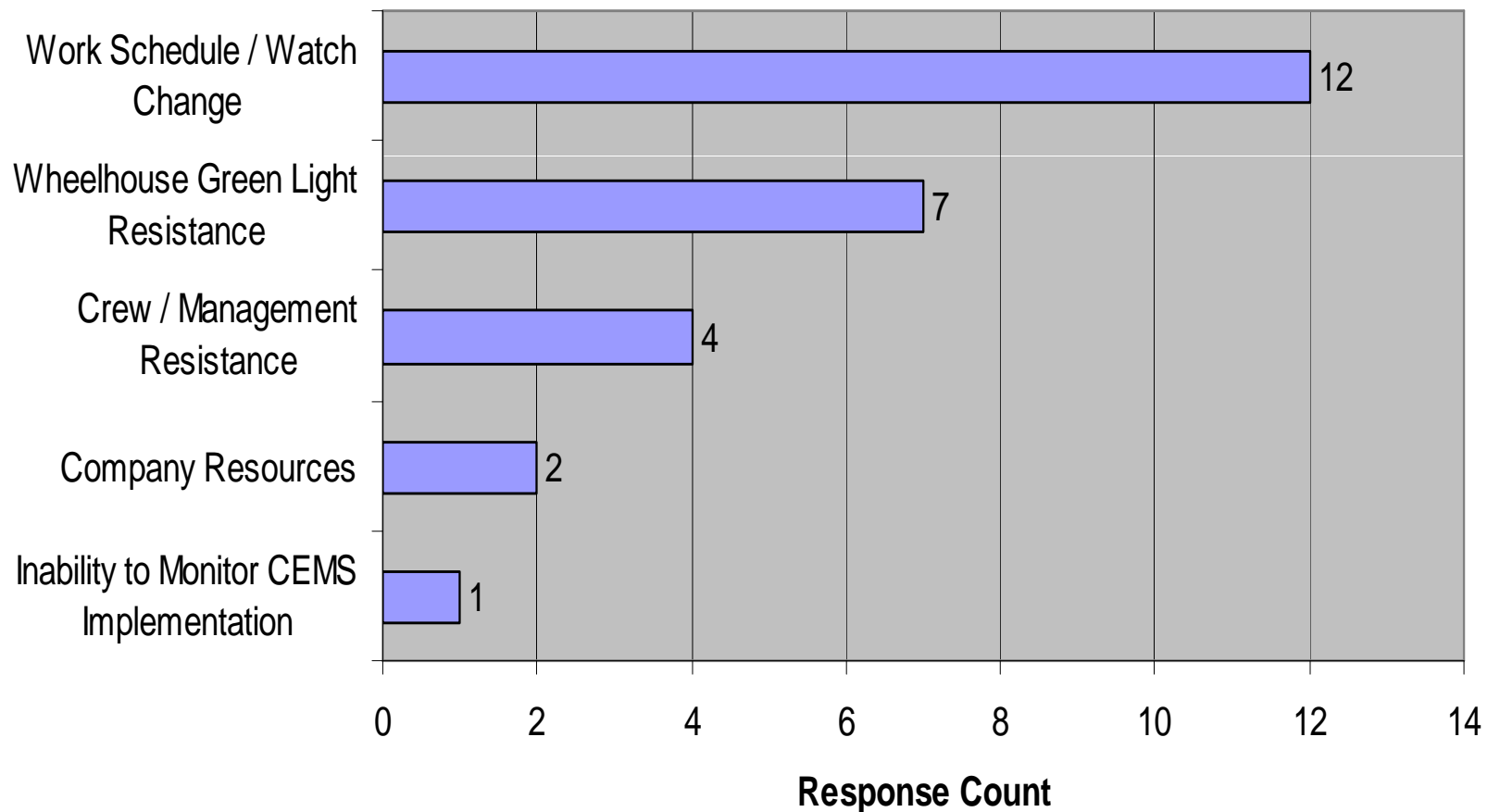
20. How many trained CEMS coaches are currently employed by your company?



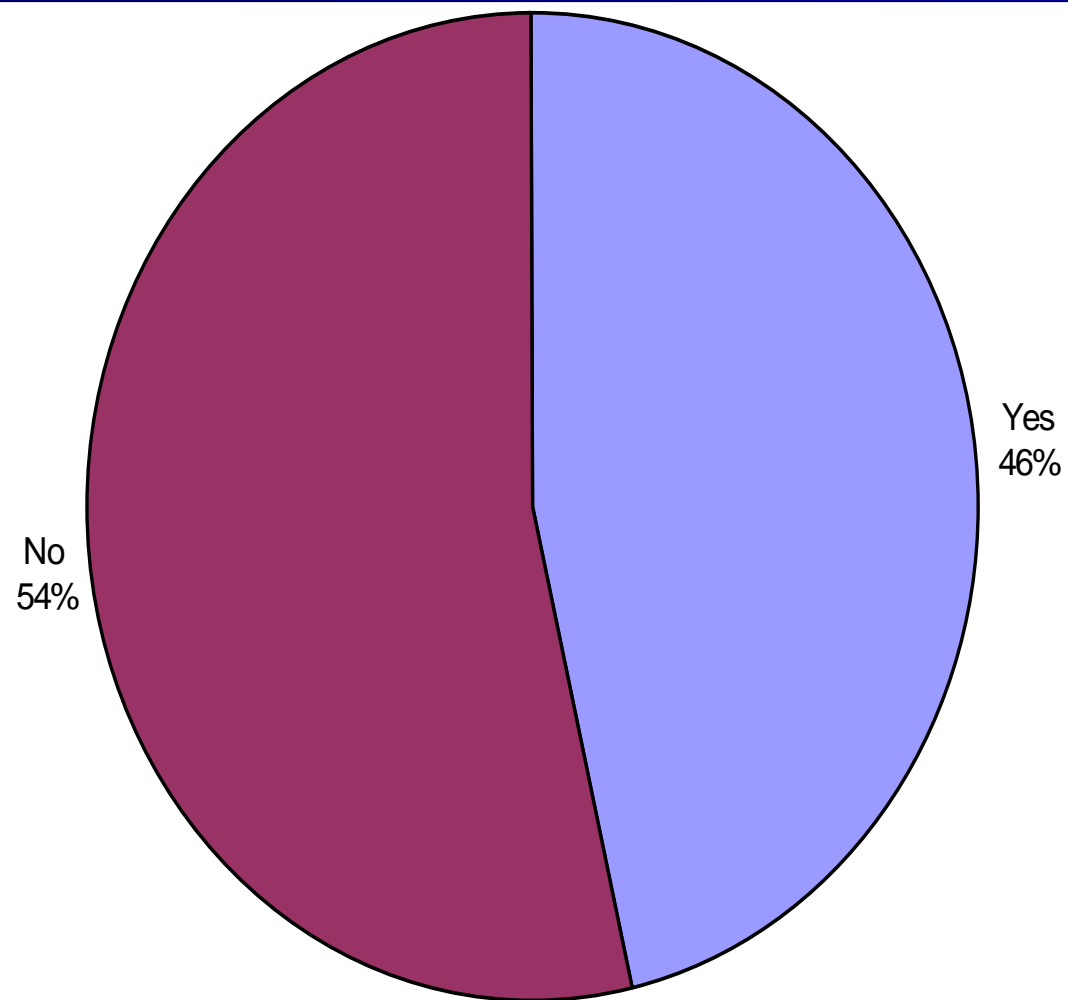
21. How many of your vessels carry a crewmember who is assigned as a CEMS coach?



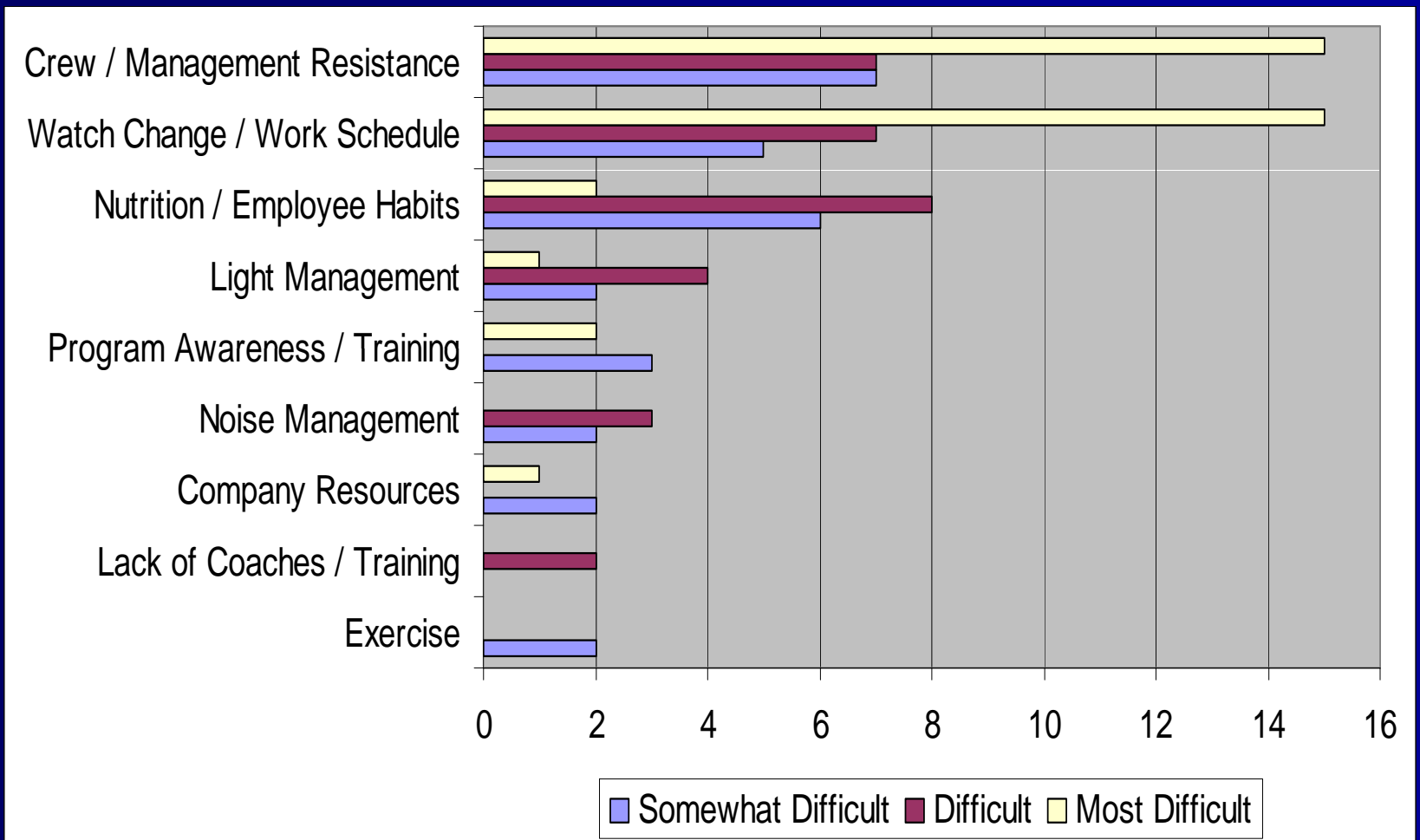
22. What identified issues, if any, present or challenge crews in implementing and/or adhering to recommended light management practices?



23. Have crews made any type of modifications to their watch schedules?



24. Describe three specific areas, in order of precedence, that have presented difficulties for your company with CEMS implementation.



25. Describe three areas, in order of precedence, where you have had the most success with CEMS implementation.

