

Appendix A

Stakeholder Questionnaire: Cross Industry Remote Condition Monitoring (RCM) Programme

For the purpose of this project Cross Industry RCM is defined as: 'the use of a monitoring device based within a given asset that can be used to assess the condition of another asset owned or operated by a different organisation'.

1. Contact Person	
2. Email ID	
3. Contact Number	
4. Company Name	
5. Category (Tick the most appropriate category)	<input type="checkbox"/> Infrastructure provider (e.g. NR) <input type="checkbox"/> TOC <input type="checkbox"/> FOC <input type="checkbox"/> RCM system supplier <input type="checkbox"/> Train manufacturer <input type="checkbox"/> ROSCO <input type="checkbox"/> Infrastructure maintainer <input type="checkbox"/> Others (Please specify) or contractor
6. Industry Quadrant (Tick all relevant categories used for RCM)	Do you use (or provide to other organisations) condition data from monitoring systems that are: <input type="checkbox"/> Train based monitoring train <input type="checkbox"/> Train based monitoring infrastructure <input type="checkbox"/> Infrastructure based monitoring trains <input type="checkbox"/> Infrastructure based monitoring infrastructure
For RCM data owners/collectors	
7. Do you currently collect and measure data that could be used to assess the condition of assets that are owned or operated by other parties?	<input type="checkbox"/> Yes <input type="checkbox"/> No (skip to question 15)
8. Have you shared data that you have collected from your monitoring systems with other organisations in the industry that can be used to assess the condition of their assets?	<input type="checkbox"/> Yes <input type="checkbox"/> No (skip to question 11)
9. With whom did you share this data?	

10. Was asset condition data provided for free or did you require any payment? (skip to question 12)

11. You say that you have not shared any RCM data in the past. Would you be open to sharing your RCM data with others?

☐ Yes

☐ No (skip to question 15)

12. Have you had or are you likely to want to impose any restrictions or reservations on sharing of asset condition data and if so, what are they (including IPR)?

13. Is there any particular section of the industry that you are more/ less likely to share with?

☐ Yes

☐ No (skip to question 15)

14. Please mark those that you are:

More likely... Less likely... ...to share with:

<input type="checkbox"/>	<input type="checkbox"/>	Infrastructure provider (e.g. NR)
<input type="checkbox"/>	<input type="checkbox"/>	TOC
<input type="checkbox"/>	<input type="checkbox"/>	FOC
<input type="checkbox"/>	<input type="checkbox"/>	RCM system supplier
<input type="checkbox"/>	<input type="checkbox"/>	Train Manufacturer
<input type="checkbox"/>	<input type="checkbox"/>	ROSCO
<input type="checkbox"/>	<input type="checkbox"/>	Infrastructure maintainer or contractor
<input type="checkbox"/>	<input type="checkbox"/>	Others (Please specify)

Also, give the reasons

For all Stakeholders

15. Do you use RCM data within your business area?

☐ Yes

☐ No (skip to question 21)

<p>16. What sorts of RCM data do you use?</p>
<p>17. For what purposes do you use RCM data?</p>
<p>18. How do you get access to RCM data?</p> <div> <div> <p>Direct Access (skip to question 21)</p> <p><input type="checkbox"/> Data you collect</p> </div> <div> <p>Shared Data</p> <p><input type="checkbox"/> From primary data collector <input type="checkbox"/> From 3rd party data source</p> <p><input type="checkbox"/> Other (specify)</p> </div> </div>
<p>19. If asset condition data is provided to you from an outside source, were there restrictions or reservations on RCM data shared with you (e.g. as to accuracy, completeness, reliability, quality, etc.) or as to how you could use the data? <input type="checkbox"/> Yes (if yes, Please specify)</p> <p><input type="checkbox"/> No (skip to question 21)</p>
<p>20. Did this impact on your ability to use that data? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, How? (skip to question 23)</p>
<p>21. Do you see any potential benefits in cross industry RCM data collection + sharing?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No (skip to question 27)</p>
<p>22. For what purpose you might use RCM data collected by others if it was available?</p>
<p>23. If you have been involved in cross industry RCM, did you have a commercial agreement with the other party for RCM data sharing?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No (skip to question 26)</p>

<p>24. Are you able to share those terms/contracts with us (in a suitably redacted format if necessary)? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>25. What worked/did not work on this contract? (go to question 27)</p>
<p>26. If you were to have an agreement, what are the key terms of the agreement which would be important to you?</p>
<p>27. Would you consider joining hands with industry partner(s) to enable them to collect condition data about your assets that you would like to have if suitable arrangements could be facilitated?</p>
<p>28. What barriers do you perceive to wider cross industry RCM usage?</p>
<p>29. What solution do you envisage to overcome these barriers?</p>
<p>30. Do you have any other comments or suggestions that you think might be useful for this study?</p>