

Booklet

FOCUS

These special features focus on security issues, deterrence, initiatives in new domains, defense exchanges, and other such topics.

Digest

The digest offers an easy-to-understand summary of the content in Part I to Part IV of the main text.

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Reference

https://www.mod.go.jp/en/publi/w_paper/wp2022/DOJ2022_EN_Reference.pdf



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Column Regarding the Review 2021

- Maps in this White Paper may contain omissions depending on the design and layout and may not necessarily show the entire Japanese territory.

The period covered by this White Paper is up to the end of March 2022, in principle.