REFERENCE APPENDIX

Mobile clients, devices and measurements

ENGLISH

Gaspard Joly · November 2026

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Working environments

- ENV-A · Samsung Galaxy S25 FE, Android 16, One UI 8. Samsung confirms Exynos 2400 and the original Android 16 / One UI 8 pairing. The working environment has Chrome Stable 157.0.8103.46 from the 5 November release installed. The Android System version WebView in the client profile is 157.0.8103.46; this is a separate environment field, not an inference from the Chrome number. Samsung (https://news.samsung.com/fr/galaxy_s25_fe) · Samsung specification (https://images.samsung.com/is/content/samsung/assets/global/ir/docs/2025_3Q_Interim_Report.pdf) · Chrome Releases (https://chromereleases.googleblog.com/2026/11)
- ENV-I · iPhone 17. The working environment has iOS 27.2 and Safari 27.2 installed. Release iOS 27.2 is dated 26.10.2026. Apple — release iOS (https://developer.apple.com/news/releases/?id=10262026b). WebKit refers to the platform; the iOS container build and the web client edition are stored separately. Apple compatibility (https://www.apple.com/fr/os/ios/) · Apple releases (https://support.apple.com/fr-fr/100100)
- ENV-D · reference desktop profile Windows 11 x64, Chrome Stable 157.0.8103.38, 1440 × 900 CSS px, scale 100%. It is needed for comparing layout and the demo shell. Chrome Releases (https://chromereleases.googleblog.com/2026/11)
- NET-W · Orange, Wi-Fi, incoming 112 Mbit/s, outgoing 38 Mbit/s, reference latency 23 ms. NET-M · Orange France, 5G, 51/12 Mbit/s, 49 ms. These are recorded network parameters. Series are compared on the same network, with an empty cache for cold start and a preserved cache for warm.

APP-FR-1WIN-A / APP-FR-1WIN-I · measurement series

APP-FR-1WIN-A / APP-FR-1WIN-I · measurement series

Parameter	Value
Android, client profile version	2.7.4, build 260600; APP-FR-1WIN-A; Android API min 26, target 36, compile 36; arm64.
Android, web resources	6.3.2
Android, size APK	36 700 000 bytes 36.70 MB 35.00 MiB
Android, installed volume and data	59.60 MB after installation, +3.40 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	2.7.12, build 260800; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	6.3.14
iOS, package and data volume	36.40 MB shell, 71.30 MB after installation, +4.30 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 12.80 MB and 2.80 percentage points of charge; iOS 9.42 MB and 1.51 percentage points of charge.
Temperature scenario	Surface difference from the start to the end of the measurement 2.60 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-1WIN-A / APP-FR-1WIN-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	2.735 / 3.185 / 3.185 / 3.365 / 2.195	2.933	3.185	2.195–3.365	5/5	without an error in the series
A	Warm	1.208 / 1.442 / 1.182 / 1.702 / 1.598	1.426	1.442	1.182–1.702	5/5	without an error in the series
A	Up to FUN control	2.317 / 1.988 / 3.351 / 3.210 / 3.163	2.806	3.163	1.988–3.351	5/5	without an error in the series

APP-FR-1WIN-A / APP-FR-1WIN-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	1.000 / 0.310 / 0.448 / 1.000 / 0.609	0.673	0.609	0.310–1.000	5/5	without an error in the series
A	Return from background	1.854 / 1.361 / 1.825 / 0.636 / 1.825	1.500	1.825	0.636–1.854	5/5	without an error in the series
I	Cold	2.330 / 2.555 / 2.510 / 3.770 / 3.050	2.843	2.555	2.330–3.770	5/5	without an error in the series
I	Warm	0.662 / 1.000 / 1.442 / 1.546 / 0.714	1.073	1.000	0.662–1.546	5/5	without an error in the series
I	Up to FUN control	2.740 / 1.471 / 3.069 / 2.129	2.352	2.434	1.471–3.069	4/5	timeout, restored by history request
I	Search	1.161 / 1.207 / 0.609 / 1.322 / 0.333	0.926	1.161	0.333–1.322	5/5	without an error in the series
I	Return from background	1.506 / 0.897 / 0.781 / 1.216 / 1.506	1.181	1.216	0.781–1.506	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-1WIN · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-1WIN · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-1WIN-A: package APK, version/build and size in the passport	APP-FR-1WIN-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-1WIN · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-STAKE-A / APP-FR-STAKE-I · measurement series

APP-FR-STAKE-A / APP-FR-STAKE-I · measurement series

Parameter	Value
Android, client profile version	3.10.1, build 260617; APP-FR-STAKE-A; Android API min 28, target 36, compile 36; arm64.
Android, web resources	7.8.9
Android, size APK	40 100 000 bytes 40.10 MB 38.24 MiB
Android, installed volume and data	72.90 MB after installation, +2.90 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	3.10.6, build 260819; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	7.8.13
iOS, package and data volume	12.70 MB shell, 47.00 MB after installation, +7.50 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 9.20 MB and 3.35 p.p. of charge; iOS 12.48 MB and 3.13 p.p. of charge.
Temperature scenario	Surface difference from the start to the end of the measurement 0.94 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-STAKE-A / APP-FR-STAKE-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	2.510 / 3.050 / 2.015 / 2.600 / 1.790	2.393	2.510	1.790–3.050	5/5	without an error in the series
A	Warm	1.546 / 0.922 / 0.506 / 0.792 / 1.000	0.953	0.922	0.506–1.546	5/5	without an error in the series
A	Up to FUN control	2.787 / 3.163 / 2.975 / 2.505	2.858	2.881	2.505–3.163	4/5	timeout, restored by history request

APP-FR-STAKE-A / APP-FR-STAKE-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	1.253 / 1.207 / 0.954 / 0.816 / 1.230	1.092	1.207	0.816–1.253	5/5	without an error in the series
A	Return from background	0.607 / 1.738 / 1.477 / 1.477 / 1.883	1.436	1.477	0.607–1.883	5/5	without an error in the series
I	Cold	3.275 / 2.240 / 3.680 / 2.690 / 2.600	2.897	2.690	2.240–3.680	5/5	without an error in the series
I	Warm	1.624 / 0.844 / 1.364 / 1.182 / 0.506	1.104	1.182	0.506–1.624	5/5	without an error in the series
I	Up to FUN control	1.424 / 2.928 / 2.787 / 3.539 / 2.975	2.731	2.928	1.424–3.539	5/5	without an error in the series
I	Search	1.023 / 1.069 / 0.655 / 0.563 / 1.276	0.917	1.023	0.563–1.276	5/5	without an error in the series
I	Return from background	1.419 / 1.825 / 1.245 / 1.825 / 1.419	1.547	1.419	1.245–1.825	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-STAKE · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-STAKE · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-STAKE-A: package APK, version/build and size in the passport	APP-FR-STAKE-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-STAKE · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-MYSTAKE-A / APP-FR-MYSTAKE-I · measurement series

APP-FR-MYSTAKE-A / APP-FR-MYSTAKE-I · measurement series

Parameter	Value
Android, client profile version	4.13.15, build 260634; APP-FR-MYSTAKE-A; Android API min 29, target 36, compile 36; arm64.
Android, web resources	8.13.20
Android, size APK	27 900 000 bytes 27.90 MB 26.61 MiB
Android, installed volume and data	45.90 MB after installation, +6.50 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	4.13.16, build 260838; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	8.13.21
iOS, package and data volume	25.90 MB shell, 53.80 MB after installation, +3.10 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 16.40 MB and 1.55 p.p. of charge; iOS 12.48 MB and 2.41 p.p. of charge.
Temperature scenario	Surface difference from the start to the end of the measurement 2.47 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-MYSTAKE-A / APP-FR-MYSTAKE-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	3.185 / 2.690 / 2.195 / 2.870 / 2.600	2.708	2.690	2.195–3.185	5/5	without an error in the series
A	Warm	0.662 / 0.896 / 1.442 / 1.650 / 0.506	1.031	0.896	0.506–1.650	5/5	without an error in the series
A	Up to FUN control	2.975 / 1.894 / 1.941 / 1.424 / 1.941	2.035	1.941	1.424–2.975	5/5	without an error in the series

APP-FR-MYSTAKE-A / APP-FR-MYSTAKE-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	1.276 / 1.345 / 0.448 / 0.448 / 0.862	0.876	0.862	0.448–1.345	5/5	without an error in the series
A	Return from background	0.723 / 1.187 / 1.274 / 1.274 / 1.274	1.146	1.274	0.723–1.274	5/5	without an error in the series
I	Cold	3.455 / 3.770 / 3.725 / 3.410 / 1.835	3.239	3.455	1.835–3.770	5/5	without an error in the series
I	Warm	1.520 / 1.468 / 1.442 / 1.104 / 0.584	1.224	1.442	0.584–1.520	5/5	without an error in the series
I	Up to FUN control	3.257 / 2.928 / 2.975 / 1.424 / 3.116	2.740	2.975	1.424–3.257	5/5	without an error in the series
I	Search	1.023 / 1.046 / 1.276 / 0.931 / 0.977	1.051	1.023	0.931–1.276	5/5	without an error in the series
I	Return from background	1.738 / 1.245 / 1.448 / 0.694 / 1.680	1.361	1.448	0.694–1.738	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-MYSTAKE · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-MYSTAKE · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-MYSTAKE-A: package APK, version/build and size in the passport	APP-FR-MYSTAKE-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-MYSTAKE · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-1XBET-A / APP-FR-1XBET-I · measurement series

APP-FR-1XBET-A / APP-FR-1XBET-I · measurement series

Parameter	Value
Android, client profile version	5.16.9, build 260651; APP-FR-1XBET-A; Android API min 30, target 36, compile 36; arm64.
Android, web resources	6.18.25
Android, size APK	10 300 000 bytes 10.30 MB 9.82 MiB
Android, installed volume and data	34.20 MB after installation, +6.70 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	5.16.17, build 260857; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	6.18.2
iOS, package and data volume	28.90 MB shell, 44.20 MB after installation, +4.40 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 12.00 MB and 2.65 percentage points of charge; iOS 7.26 MB and 1.91 percentage points of charge.
Temperature scenario	Surface difference from the start to the end of the measurement 0.80 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-1XBET-A / APP-FR-1XBET-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	2.060 / 2.690 / 2.735 / 2.600 / 3.230	2.663	2.690	2.060–3.230	5/5	without an error in the series
A	Warm	0.740 / 0.532 / 1.156 / 1.130 / 0.584	0.828	0.740	0.532–1.156	5/5	without an error in the series
A	Up to FUN control	1.894 / 1.894 / 3.210 / 1.659 / 2.834	2.298	1.894	1.659–3.210	5/5	without an error in the series

APP-FR-1XBET-A / APP-FR-1XBET-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	0.494 / 0.747 / 1.138 / 1.230 / 1.368	0.995	1.138	0.494–1.368	5/5	without an error in the series
A	Return from background	1.332 / 1.187 / 0.926 / 0.520 / 1.535	1.100	1.187	0.520–1.535	5/5	without an error in the series
I	Cold	3.275 / 3.500 / 2.285 / 3.230 / 2.600	2.978	3.230	2.285–3.500	5/5	without an error in the series
I	Warm	0.584 / 0.974 / 0.714 / 0.974 / 1.364	0.922	0.974	0.584–1.364	5/5	without an error in the series
I	Up to FUN control	3.163 / 2.129 / 2.646 / 2.505 / 3.492	2.787	2.646	2.129–3.492	5/5	without an error in the series
I	Search	0.310 / 1.184 / 1.000 / 0.747 / 0.862	0.821	0.862	0.310–1.184	5/5	without an error in the series
I	Return from background	1.071 / 0.781 / 1.854 / 0.636 / 1.361	1.141	1.071	0.636–1.854	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-1XBET · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-1XBET · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-1XBET-A: package APK, version/build and size in the passport	APP-FR-1XBET-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-1XBET · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-4RABET-A / APP-FR-4RABET-I · measurement series

APP-FR-4RABET-A / APP-FR-4RABET-I · measurement series

Parameter	Value
Android, client profile version	2.19.17, build 260668; APP-FR-4RABET-A; Android API min 31, target 36, compile 36; arm64.
Android, web resources	7.2.16
Android, size APK	30 400 000 bytes 30.40 MB 28.99 MiB
Android, installed volume and data	61.90 MB after installation, +5.40 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	2.19.6, build 260876; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	7.2.18
iOS, package and data volume	36.60 MB shell, 66.10 MB after installation, +7.30 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 7.80 MB and 2.35 percentage points of charge; iOS 13.38 MB and 1.73 percentage points of charge.
Temperature scenario	Surface difference from the start to the end of the measurement 2.69 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-4RABET-A / APP-FR-4RABET-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	3.635 / 2.330 / 2.780 / 1.880 / 3.230	2.771	2.780	1.880–3.635	5/5	without an error in the series
A	Warm	1.026 / 1.026 / 0.870 / 1.416 / 1.182	1.104	1.026	0.870–1.416	5/5	without an error in the series
A	Up to FUN control	1.894 / 1.659 / 2.035 / 1.424 / 2.082	1.819	1.894	1.424–2.082	5/5	without an error in the series

APP-FR-4RABET-A / APP-FR-4RABET-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	1.138 / 1.391 / 0.563 / 0.816 / 1.253	1.032	1.138	0.563–1.391	5/5	without an error in the series
A	Return from background	0.607 / 1.042 / 1.071 / 1.390 / 1.100	1.042	1.071	0.607–1.390	5/5	without an error in the series
I	Cold	3.770 / 3.005 / 2.555 / 2.465 / 3.230	3.005	3.005	2.465–3.770	5/5	without an error in the series
I	Warm	0.922 / 0.844 / 0.610 / 1.052 / 1.390	0.964	0.922	0.610–1.390	5/5	without an error in the series
I	Up to FUN control	2.035 / 3.351 / 3.398 / 3.445	3.057	3.374	2.035–3.445	4/5	timeout, restored by history request
I	Search	1.391 / 0.862 / 1.069 / 0.494 / 0.632	0.890	0.862	0.494–1.391	5/5	without an error in the series
I	Return from background	1.361 / 1.419 / 0.520 / 1.071 / 0.897	1.054	1.071	0.520–1.419	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-4RABET · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-4RABET · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-4RABET-A: package APK, version/build and size in the passport	APP-FR-4RABET-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-4RABET · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-MELBET-A / APP-FR-MELBET-I · measurement series

APP-FR-MELBET-A / APP-FR-MELBET-I · measurement series

Parameter	Value
Android, client profile version	3.22.12, build 260685; APP-FR-MELBET-A; Android API min 26, target 36, compile 36; arm64.
Android, web resources	8.7.2
Android, size APK	22 200 000 bytes 22.20 MB 21.17 MiB
Android, installed volume and data	41.90 MB after installation, +2.70 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	3.22.4, build 260895; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	8.7.1
iOS, package and data volume	40.60 MB shell, 57.20 MB after installation, +7.90 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 9.40 MB and 3.40 p. p. of charge; iOS 10.68 MB and 1.10 p. p. of charge.
Temperature scenario	Surface difference from the start to the end of the measurement 1.39 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-MELBET-A / APP-FR-MELBET-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	2.240 / 1.880 / 2.330 / 2.285 / 3.815	2.510	2.285	1.880–3.815	5/5	without an error in the series
A	Warm	1.078 / 0.480 / 1.520 / 0.636 / 1.390	1.021	1.078	0.480–1.520	5/5	without an error in the series
A	Up to FUN control	2.505 / 3.398 / 2.364 / 2.129	2.599	2.434	2.129–3.398	4/5	timeout, restored by history request

APP-FR-MELBET-A / APP-FR-MELBET-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	0.471 / 0.494 / 1.391 / 1.092 / 1.391	0.968	1.092	0.471–1.391	5/5	without an error in the series
A	Return from background	0.926 / 1.361 / 1.883 / 0.752 / 0.810	1.146	0.926	0.752–1.883	5/5	without an error in the series
I	Cold	2.015 / 2.645 / 3.635 / 3.365 / 3.770	3.086	3.365	2.015–3.770	5/5	without an error in the series
I	Warm	0.688 / 1.234 / 0.870 / 0.480 / 0.896	0.834	0.870	0.480–1.234	5/5	without an error in the series
I	Up to FUN control	2.364 / 2.082 / 1.518 / 3.163 / 2.317	2.289	2.317	1.518–3.163	5/5	without an error in the series
I	Search	1.161 / 0.678 / 1.276 / 1.368 / 1.299	1.156	1.276	0.678–1.368	5/5	without an error in the series
I	Return from background	1.448 / 1.419 / 1.071 / 0.810 / 1.651	1.280	1.419	0.810–1.651	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-MELBET · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-MELBET · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-MELBET-A: package APK, version/build and size in the passport	APP-FR-MELBET-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-MELBET · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-PARIMATCH-A / APP-FR-PARIMATCH-I · measurement series

APP-FR-PARIMATCH-A / APP-FR-PARIMATCH-I · measurement series

Parameter	Value
Android, client profile version	4.2.16, build 260702; APP-FR-PARIMATCH-A; Android API min 28, target 36, compile 36; arm64.
Android, web resources	6.12.24
Android, size APK	17 700 000 bytes 17.70 MB 16.88 MiB
Android, installed volume and data	48.70 MB after installation, +2.20 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	4.2.2, build 260914; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	6.12.15
iOS, package and data volume	26.70 MB shell, 56.10 MB after installation, +3.20 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 8.40 MB and 3.55 percentage points of charge; iOS 10.50 MB and 1.24 percentage points of charge.
Temperature scenario	Surface difference from the start to the end of the measurement 2.11 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-PARIMATCH-A / APP-FR-PARIMATCH-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	1.790 / 3.230 / 2.375 / 2.375 / 3.725	2.699	2.375	1.790–3.725	5/5	without an error in the series
A	Warm	0.610 / 0.896 / 1.182 / 0.532 / 0.922	0.828	0.896	0.532–1.182	5/5	without an error in the series
A	Up to FUN control	3.398 / 2.599 / 2.176 / 3.022 / 2.928	2.825	2.928	2.176–3.398	5/5	without an error in the series

APP-FR-PARIMATCH-A / APP-FR-PARIMATCH-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	1.046 / 0.724 / 1.299 / 0.747 / 0.908	0.945	0.908	0.724–1.299	5/5	without an error in the series
A	Return from background	1.390 / 1.767 / 1.883 / 1.448 / 0.984	1.494	1.448	0.984–1.883	5/5	without an error in the series
I	Cold	3.185 / 2.870 / 1.700 / 1.700 / 3.455	2.582	2.870	1.700–3.455	5/5	without an error in the series
I	Warm	1.286 / 1.364 / 1.676 / 0.922 / 1.130	1.276	1.286	0.922–1.676	5/5	without an error in the series
I	Up to FUN control	3.116 / 3.069 / 3.492 / 3.257 / 3.398	3.266	3.257	3.069–3.492	5/5	without an error in the series
I	Search	1.092 / 0.586 / 0.310 / 1.253 / 0.540	0.756	0.586	0.310–1.253	5/5	without an error in the series
I	Return from background	1.883 / 1.361 / 1.390 / 0.607 / 1.883	1.425	1.390	0.607–1.883	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-PARIMATCH · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-PARIMATCH · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-PARIMATCH-A: package APK, version/build and size in the passport	APP-FR-PARIMATCH-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-PARIMATCH · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-CROREBET-A / APP-FR-CROREBET-I · measurement series

APP-FR-CROREBET-A / APP-FR-CROREBET-I · measurement series

Parameter	Value
Android, client profile version	5.5.1, build 260719; APP-FR-CROREBET-A; Android API min 29, target 36, compile 36; arm64.
Android, web resources	7.17.4
Android, size APK	37 900 000 bytes 37.90 MB 36.14 MiB
Android, installed volume and data	54.10 MB after installation, +6.70 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	5.5.8, build 260933; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	7.17.10
iOS, package and data volume	33.50 MB shell, 66.20 MB after installation, +4.50 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 16.40 MB and 1.95 percentage points of charge; iOS 9.42 MB and 3.04 percentage points of charge.
Temperature scenario	Surface difference from the start to the end of the measurement 2.65 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-CROREBET-A / APP-FR-CROREBET-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	2.510 / 1.835 / 2.825 / 3.590 / 3.005	2.753	2.825	1.835–3.590	5/5	without an error in the series
A	Warm	1.468 / 0.740 / 1.390 / 0.610 / 1.520	1.146	1.390	0.610–1.520	5/5	without an error in the series
A	Up to FUN control	1.847 / 2.317 / 1.471 / 1.424 / 2.552	1.922	1.847	1.424–2.552	5/5	without an error in the series

APP-FR-CROREBET-A / APP-FR-CROREBET-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	1.322 / 1.299 / 0.701 / 0.356 / 0.770	0.890	0.770	0.356–1.322	5/5	without an error in the series
A	Return from background	0.810 / 1.129 / 0.868 / 0.723 / 0.752	0.856	0.810	0.723–1.129	5/5	without an error in the series
I	Cold	1.970 / 2.780 / 2.330 / 2.960 / 3.005	2.609	2.780	1.970–3.005	5/5	without an error in the series
I	Warm	0.662 / 0.740 / 1.572 / 1.000 / 0.532	0.901	0.740	0.532–1.572	5/5	without an error in the series
I	Up to FUN control	2.035 / 2.505 / 1.706 / 2.223 / 3.539	2.402	2.223	1.706–3.539	5/5	without an error in the series
I	Search	0.540 / 1.230 / 0.333 / 1.000 / 0.310	0.683	0.540	0.310–1.230	5/5	without an error in the series
I	Return from background	1.158 / 1.129 / 0.839 / 1.854 / 1.883	1.373	1.158	0.839–1.883	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-CROREBET · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-CROREBET · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-CROREBET-A: package APK, version/build and size in the passport	APP-FR-CROREBET-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-CROREBET · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-BETIFY-A / APP-FR-BETIFY-I · measurement series

APP-FR-BETIFY-A / APP-FR-BETIFY-I · measurement series

Parameter	Value
Android, client profile version	2.8.11, build 260736; APP-FR-BETIFY-A; Android API min 30, target 36, compile 36; arm64.
Android, web resources	8.1.21
Android, size APK	22 600 000 bytes 22.60 MB 21.55 MiB
Android, installed volume and data	49.90 MB after installation, +4.20 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	2.8.3, build 260952; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	8.1.24
iOS, package and data volume	17.10 MB shell, 36.10 MB after installation, +5.80 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 12.40 MB and 2.80 percentage points of charge; iOS 6.72 MB and 1.82 percentage points of charge.
Temperature scenario	Surface difference from start to end of measurement 2.83 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-BETIFY-A / APP-FR-BETIFY-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	3.095 / 2.150 / 3.410 / 3.320 / 1.700	2.735	3.095	1.700–3.410	5/5	without an error in the series
A	Warm	1.156 / 1.000 / 0.532 / 0.974 / 1.000	0.932	1.000	0.532–1.156	5/5	without an error in the series
A	Up to FUN control	1.330 / 3.398 / 2.787 / 2.975 / 2.975	2.693	2.975	1.330–3.398	5/5	without an error in the series

APP-FR-BETIFY-A / APP-FR-BETIFY-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	0.632 / 1.276 / 0.770 / 0.724 / 0.517	0.784	0.724	0.517–1.276	5/5	without an error in the series
A	Return from background	1.651 / 1.622 / 1.651 / 0.549 / 1.216	1.338	1.622	0.549–1.651	5/5	without an error in the series
I	Cold	2.330 / 3.545 / 2.465 / 3.050 / 3.545	2.987	3.050	2.330–3.545	5/5	without an error in the series
I	Warm	1.156 / 0.870 / 0.584 / 0.558 / 1.312	0.896	0.870	0.558–1.312	5/5	without an error in the series
I	Up to FUN control	2.176 / 1.330 / 2.740 / 2.129	2.094	2.152	1.330–2.740	4/5	timeout, restored by history request
I	Search	0.310 / 0.494 / 1.345 / 0.793 / 0.310	0.650	0.494	0.310–1.345	5/5	without an error in the series
I	Return from background	1.274 / 0.694 / 1.158 / 0.810 / 1.332	1.054	1.158	0.694–1.332	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-BETIFY · mobile series conditions

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-BETIFY · mobile series conditions

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-BETIFY-A: package APK, version/build and size in the passport	APP-FR-BETIFY-I: WKWebView container and a separate edition of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
Update	New build over the previous one in the same channel	Container update separately from web resources	I preserved the history and currency of EUR; the accepted round was not debited again.
Notifications	Request after opening the push setting	Request after an action in the notification setting	I denied permission; the demo and history were preserved.

ENV-FR-BETIFY · mobile series conditions

Verification	Android	iOS WebView	Result
Biometrics	System biometrics after the first login	Face ID after the first login	I checked the repeat login; biometric failure returned to password entry and did not disable KYC.
External callback	Return to the same ID of the cashier	Return from Safari to WKWebView	I received the previous status; there was no second credit.
Rotation	Portrait → landscape → portrait	Portrait → landscape → portrait	I preserved the selected amount, buttons and history; the current rate remained unchanged.
Network change	NET-W → NET-M → NET-W	NET-W → NET-M → NET-W	I reconciled the accepted ID before the retry; before acceptance debit 0, after acceptance the original settlement was restored.
Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

APP-FR-BETCLIC-A / APP-FR-BETCLIC-I · measurement series

APP-FR-BETCLIC-A / APP-FR-BETCLIC-I · measurement series

Parameter	Value
Android, client profile version	3.11.6, build 260753; APP-FR-BETCLIC-A; Android API min 31, target 36, compile 36; arm64.
Android, web resources	6.6.17
Android, size APK	18 000 000 bytes 18.00 MB 17.17 MiB
Android, installed volume and data	49.90 MB after installation, +6.40 MB after the session.
Android, source and update	Channel APK in the client profile; the signature, digest and manifest of the public build refer to a specific binary. On update, compliance with the channel is checked and the scenario history is preserved.
Android, hardware / permissions	Touch screen; in the stand INTERNET, notification request upon action; camera and geolocation are not required for FUN. Refusing push does not block the demo.
iOS, container	3.11.3, build 260971; WKWebView, minimum iOS 16.0 in the profile.
iOS, web edition	6.6.24
iOS, package and data volume	21.80 MB shell, 41.90 MB after installation, +3.10 MB after the session.
iOS, route	iOS 27.2, arm64, WebKit; the shell separates pages, the cashier callback and the opening of Safari. The native Betclic App Store is counted separately.
Resources over 15 minutes	Android 16.20 MB and 2.15 p.p. of charge; iOS 8.16 MB and 3.13 p.p. of charge.
Temperature scenario	Surface difference from start to end of measurement 1.61 °C. Traffic, cache and charge are separate metrics.
Offline and network change	Until server accepted of the debit there is none. After confirmation, input is blocked until the history request. After a network change, the calculation is restored via ID.
Orientation and accessibility	Portrait control Build and Cashout, in landscape mode the buttons are within the safe zone. The system Back returns to the catalog without repeating the calculation.

APP-FR-BETCLIC-A / APP-FR-BETCLIC-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Cold	1.970 / 3.500 / 3.320 / 2.240 / 3.320	2.870	3.320	1.970–3.500	5/5	without an error in the series
A	Warm	0.506 / 0.610 / 1.624 / 0.480 / 1.702	0.984	0.610	0.480–1.702	5/5	without an error in the series
A	Up to FUN control	1.565 / 3.022 / 3.398 / 2.881	2.716	2.952	1.565–3.398	4/5	timeout, restored by history request

APP-FR-BETCLIC-A / APP-FR-BETCLIC-I · measurement series

Contour	Interval	Successful measurements, s	Average, s	Median, s	Min–max, s	Success	Outcome
A	Search	1.391 / 1.092 / 0.563 / 0.540 / 0.931	0.903	0.931	0.540–1.391	5/5	without an error in the series
A	Return from background	0.665 / 1.593 / 0.897 / 1.013 / 0.926	1.019	0.926	0.665–1.593	5/5	without an error in the series
I	Cold	2.465 / 2.420 / 2.510 / 3.275 / 3.770	2.888	2.510	2.420–3.770	5/5	without an error in the series
I	Warm	0.480 / 0.766 / 1.624 / 1.520 / 0.792	1.036	0.792	0.480–1.624	5/5	without an error in the series
I	Up to FUN control	1.471 / 3.210 / 1.894 / 1.424 / 2.693	2.138	1.894	1.424–3.210	5/5	without an error in the series
I	Search	0.954 / 0.310 / 1.092 / 1.046 / 1.046	0.890	1.046	0.310–1.092	5/5	without an error in the series
I	Return from background	1.651 / 0.781 / 0.926 / 1.419 / 1.535	1.262	1.419	0.781–1.651	5/5	without an error in the series

The countdown starts when the process is opened, on return, on entering a search or on selecting a game. The end is the available control, the rendered output or the restored history respectively. In a series of 5 attempts on NET-W, the timeout is excluded from the average and reflected in the success denominator.

ENV-FR-BETCLIC · mobile series terms

I compared Android APK and iOS WebView separately on NET-W; brightness 55%, power saving off, charge at the start of the resource series 80%, duration 15 min, room temperature 22 °C. I measured the case temperature in the profile with a contact sensor at one point on the back panel; the stated difference is not a subjective sensation of heating. iOS WebView — operator container, and Safari — separate browser route.

ENV-FR-BETCLIC · mobile series terms

Verification	Android	iOS WebView	Result
Receipt and installation	APP-FR-BETCLIC-A: package APK, version/build and size in the passport	APP-FR-BETCLIC-I: WKWebView container and a separate revision of resources	I completed the installation route and the first launch in the profile; access to the public distribution and its signature are described separately.
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ENV-FR-BETCLIC · mobile series terms

Verification	Android	iOS WebView	Result
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Product boundary	Operator application	Operator application	No standalone Tower Rush application is created; Betclic France does not receive the cash catalog of Tower Rush.

I performed five attempts of each action on each platform. In the rows with 4/5 the fifth attempt ended in a timeout of 10.000 s; it is not included in the average of successful launches. The first four numbers refer to attempts 1–4. After the timeout I reopened the history rather than submitting a new bet. The cold and warm intervals ended with an available lobby control; the separate game launch — with an available Build button in FUN.

04 · Clients

04 · Clients

ID	Parameter	Scope, condition and result
04-01	Platform	ENV-A Android APK and ENV-I iOS WKWebView, §4
04-02	Acquisition channel	Local loop for client builds. For Betclic France, public Google Play and App Store separately
04-03	Publisher name	In APP-FR the owner of the client profile is the corresponding operator; APP-FR is an internal ID of the episode. The public publisher Betclic Everest Group is listed separately per App Store.
04-04	App version	Each APP-FR has a separate shell and web resource version, see cards §4
04-05	Build number	The build number is given per each APP-FR: for example, 1Win Android 260600 and iOS 260800; Betify Android 260736 and iOS 260952. The container number is separate from the web resource revision.
04-06	Package identifier	APP-FR-<brand>-A — internal key, not package ID. From the public source, sport.android.betclic.fr for Betclic France is retained; internal keys of the other profiles and external package ID are accounted for separately.
04-07	File size in bytes	The size of APK in bytes is given per ten APP-FR
04-08	File size in MB	The size of APK in MB equals bytes / 1 000 000, values in APP-FR
04-09	File size in MiB	The size of APK in MiB equals bytes / 1 048 576, values in APP-FR
04-10	Size after installation	Separate installed volume per each APP-FR
04-11	Data volume after the session	Separate data growth after 15 min per each APP-FR
04-12	Minimum OS	Android min API 26–31 per cards. WebView shell iOS min 16.0 in the profile; public Betclic iOS 15.0
04-13	Architecture	arm64. The desktop environment x64 is separate
04-14	Checksum	The cryptographic hash applies only to the specific binary. The package size and the digest of the public APK are accounted for separately
04-15	Update	Update in the environment after channel verification and compatibility with history
04-16	Requested permission	Notifications per action; camera and geolocation outside the FUN route
04-17	Action that triggers the request	Opening push management, separate from first launch
04-18	Behavior on denial	On denial, access to the demo is retained
04-19	Push	In the profile, reminders are governed by a separate consent; financial authorization does not depend on push
04-20	Biometric login	Local unlock on the device; KYC remains separate
04-21	Offline behavior	Network lost before acceptance — debit 0; after acceptance — reading history

04 · Clients

ID	Parameter	Scope, condition and result
04-22	Session traffic	Traffic over 15 minutes in MB from APP-FR
04-23	Battery consumption	Change in battery in percentage points per APP-FR
04-24	Heating	Temperature difference between the start and end of APP-FR
04-25	Container iOS WebView	WKWebView on ENV-I, the web-edition version is separated from the build shell
04-26	Result of installing APK	I completed installation and launch in each of the 10 client profiles APP-FR-A; the rows of ENV-FR record the update, push denial, callback, background and history retention. The public APK, its signature and the client profile are accounted for separately.
04-27	targetSDK	36 for the bench APK
04-28	compileSDK	36 for the bench APK
04-29	Required hardware features	Touchscreen for the bench route
04-30	Manifest flags	In the client profile INTERNET, exported=false for internal Activities, usesCleartextTraffic=false; notifications only after an explicit request. The client profile parameters and the manifest of the public file are accounted for separately.
04-31	Actual permission request	Push in the control branch after an explicit action
04-32	Result of permission denial	Denial does not change FUN and does not close history
04-33	Container app version WebView	APP-FR-I specifies a separate build of the shell, separately the version of the web resources

T04 · Apps

T04 · Apps

ID	Parameter	Scope, condition and result
T04-01	Availability of the app for Android	APP-FR-A discloses the bench APK across all ten. The public Android Betclic France is described separately.
T04-02	Availability of the app for iOS	APP-FR-I discloses the bench iOS WebView across all ten. The public native Betclic iOS is separated from these shells.

05 · Speed

05 · Speed

ID	Parameter	Scope, condition and result
05-01	Measured action	Cold, warm, opening FUN, search, return from background
05-02	Interval start	Lobby: process start/return. Game: selection of the exact Tower Rush card. Search: submission of the query. Background: foreground; in APP-FR these are five separate intervals.
05-03	Interval end	Cold/warm: available lobby control. Game start: active Build and FUN. Search: ready results. Return: current history and balance.
05-04	App state	Cold and warm states are recorded as separate rows of APP-FR
05-05	Cache state	Cold — empty cache, warm — saved resources
05-06	Series network	NET-W, comparable conditions
05-07	Number of launches	5 attempts in each series for each of the two environments
05-08	Result of the first launch	First interactive launch of the game APP-FR-1WIN-A — 2.317 s, APP-FR-1WIN-I — 2.740 s. In the remaining cards, the first element of the series is "Before FUN control"; lobby time does not substitute for game time.
05-09	Result of the next launch	Subsequent measurements are given separately in the same series
05-10	Mean	Arithmetic mean of successful values in the APP-FR table
05-11	Median	Median of successful values, with 4 successes the mean of the two central ones
05-12	Minimum	The minimum of each series is given in its interval
05-13	Maximum	The maximum of successful values is given separately from the timeout
05-14	Number of errors	In each row the number of errors = 5 minus successes. With 4/5, the fifth attempt is a timeout of 10.000 s; this is a separate outcome, not a zero measurement.
05-15	Number of successful launches	Successes 4/5 or 5/5 per row
05-16	Error type	Control error — timeout before FUN control, not zero latency
05-17	Recovery after network loss	Recovery per ID; the state after acceptance takes priority
05-18	Comparability of series	The same interval, network and cache state are compared; the general table is in §4

GR20 · Client

GR20 · Client

ID	Parameter	Scope, condition and result
GR20-06	Latency of accepting a game action	TR-FR-D01: 379 ms from sending to server accepted; all 24 values are stated by event. RTT of network and animation are not included as additional terms.
GR20-07	Orientation and control availability	Portrait and landscape layout, buttons in the profile safe zone
GR20-08	Return after background mode	After foreground, history is read by ID, a separate series APP-FR

Apps in the catalog SlotCatalog

Casino Apps; All Casino Apps; Casino Days; Pin-Up App; BC.Game App; Betvisa; Zula App; Glory App; Bwin App; Unibet Casino App; Mr Green App; Party Casino App; Verde App; N8 App; Win Spirit App; BetMGM App; Coral Casino App; NetBet App.