Digital signature verification guide

- 1. If you do not have Adobe Acrobat Reader installed on your computer, install it (you can download it from the Adobe Acrobat Reader website: https://get.adobe.com/reader).
- 2. Download the signed PDF with the electronic signature and open it with Adobe Acrobat Reader DC.

📙 🕨 Ten komputer 🕨 Pobrane 🔸 sprawozdania						
Nazwa	Data modyfikacji	Тур	Rozmiar			
🔁 1229-17-GDY-pl.pdf	2017-11-06 16:22		Otwórz za pomocą programu Adobe Acrobat Reader DC			
			Otwórz			
			Drukuj			
			7-Zip	•		
		2	Edit with Notepad++			
			KDiff3	•		
			Otwórz za pomocą	•		

3. If you receive a message that reads "At least one signature is invalid." follow the steps below.



4. To see details of why the signature was found to be invalid click the "Signature Panel" and then right-click "Rev. 1: Signed by Hanna Wachowska..." and select "Show Signature Properties...".



5. The signature properties window will appear. In the Signer Info section, the reason for the error is: "There were errors building the path from the signer's certificate to an issuer certificate."

-	Signature Properties	x
<u>k</u> o	Signature is INVALID. Signing Time: 2017/11/06 16:22:27 +01'00' Source of Trust obtained from Adobe Approved Trust List (AATL).	
	Reason: Location:	
Valid	lity Summary	
	The document has not been modified since this signature was applied.	
	The certifier has specified that Form Fill-in, Signing and Commenting are allowed for this document. No other changes are permitted.	
	The signer's identity is invalid.	
	Signing time is from the clock on the signer's computer.	
	Signature was validated as of the signing time: 2017/11/06 16:22:27 +01'00'	
Signe	er Info	
	There were errors building the path from the signer's certificate to an issuer certificate.	
	Revocation checking was not performed.	
	Show Signer's Certificate	
Adv	vanced Properties <u>V</u> alidate Signature <u>C</u> lose	

- A message means that the signature is not compliant with the certificate policy on which it is verified. In this case, the publisher's certificate is misrepresented in Adobe Acrobat Reader DC.
 Explanation:
 - a. The certificate to which the report is signed is issued by Certum (Certum Digital Identification CA SHA2), which according to the Certification Practice Statement
 (https://www.certum.pl/pl/data/CCP-DK02-ZK02-Kodeks-Post%C4%99powania-Certyfikacyjnego-Niekwalifikowanych-Us-akt.pdf)
 chapter 1.3.1.2. Pośrednie urzędy certyfikacji specifies the certification policy identifiers:
 - i. 1.2.616.1.113527.2.5.1.6.11
 - ii. 1.2.616.1.113527.2.5.1.6.12
 - iii. 1.2.616.1.113527.2.5.1.6.13
 - iv. 1.2.616.1.113527.2.5.1.6.14
 - b. This certificate in Adobe Acrobat Reader DC only has one policy, which is the source of the invalid signature verification.
 - c. Follow the steps below to properly set up the publisher's certificate.
- 7. Open the "Edit" menu and select "Preferences..."

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- 8. In the preferences window that appears, go to **Trust Manager**
 - a. In the Automatic Adobe Approved Trust List (AATL) updates section, click Update Now

ocuments 🔥	PDF File Attachments
ull Screen	✓ Allow opening of non-PDF file attachments with external applications
ieneral	
age Display	Restore the default list of allowed and disallowed file attachment types: Restore
D & Multimedia	Internet Access from DDE Eiles outside the web beaures
ccessibility	Internet Access from PDP Piles outside the web browser
dobe Online Services	Unless explicitly permitted, PDF files cannot send information to the Internet.
mail Accounts	Change Setting
orms Jontity	Change s <u>e</u> tungs
aternet	
avaScript	Automatic Adobe Approved Trust List (AATL) updates
anguage	✓ Load trusted certificates from an Adobe AATL server
feasuring (2D)	
feasuring (3D)	✓ As <u>k</u> before updating Update Now
fleasuring (Geo)	
fultimedia (legacy)	Automatic European Union Trusted Lists (EUTL) updates
Iultimedia Trust (legacy)	I and trusted catificates from an Adaba SUTI server
eading	Equal trasted certificates from an Adobe Corte server
eviewing	Ask before updating Update Now
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rust Manager	
Inits	

b. Confirm with **OK**



c. After a few moments, you are prompted that the update has completed successfully



- 9. In the preferences window that appears, go to Signatures
 - a. In the Identities & Trusted Certificates section, click More...

	Preferences	
Categories:		
Commenting	Digital Signatures	
Documents	Creation & Appearance	
Full Screen		
General	 Control options for signature creation 	More
Page Display	 Set the appearance of signatures within a document 	
D & Multimedia	verification	
Accessibility	Control how and when signatures are verified	
Adobe Online Services	· control now and when signatures are venifed	More
Email Accounts		
Forms	Identities & Trucked Castificates	
dentity	Identities & Trusted Certificates	
nternet	Create and manage identities for signing	
avaScript	Manage credentials used to trust documents	More
Language		
Measuring (2D)		
Vieasuring (SD)	Document Timestamping	
Vieasuring (Geo)	• Configure timestamp server settings	
viultimedia (legacy)	• Comigure unestamp server settings	More
Multimedia Trust (legacy)		
Reading		
Corch		
Security		
Security (Enhanced)		
Signatures		
pelling		
Fracker		
Frust Manager		
Units		
		UK Cancel

10. In the Digital ID and Trusted Certificate Setting window that appears, go to **Trusted Certificates**, search for **Certum Digital Identification CA SHA2**, and then click **Edit Trust**.

<u> </u>		Digital ID and Trustee	d Certificate Settings		×	
\sim	Digital IDs	🥖 Edit Trust Import 🌧 Expo	ort 💇 Certificate Details 🛛 😣 Re	emove		
	Roaming ID Accounts	Name	Certificate Issuer	Expires	^	
	Dista UD Ellas	Certinomis AC 1 étoile	Certinomis - Autorité Racine	2018.12.12 09:22:39 Z		
	Digital ID Flies	Certinomis AC 2 étoiles	Certinomis - Autorité Racine	2018.12.12 09:25:18 Z		
	Windows Digital IDs	certSAFE Time Stamping Authority 1	certSIGN Non-Repudiation CA Cl	2011.02.19 18:08:47 Z		
	-	certSAFE Time Stamping Authority 1	certSIGN Non-Repudiation CA CI	2014.02.06 14:22:27 Z		
	PKCS#11 Modules and Token	certSAFE Time Stamping Authority 1 < o	certSIGN Non-Repudiation CA CI	2019.02.02 10:50:04 Z		
	Trusted Cartificates	certSIGN Qualified CA	CERTSIGN SA	2027.02.06 10:06:03 Z		
	Trusted Certificates	certSIGN Qualified CA Class 3	certSIGN	2016.07.07 18:42:17 Z		
		certSIGN Qualified CA Class 3 G2	certSIGN	2025.06.10 13:45:07 Z		
		certSIGN Time Stamping Authority 2 < 0	certSIGN Qualified CA	2020.06.20.14.12.22.7		
		Certum Digital Identification CA SHA2	Certum Trusted Network CA	2027.06.09 12:45:26 Z		
		CERTUM QCA	Narodowe Centrum Certyfikacji (2019.04.07 23:59:59 Z		
		CERTUM QCA	Narodowe Centrum Certyfikacji (2020.10.26 23:59:59 Z		
		CERTUM QCA	Narodowe Centrum Certyfikacji (2016.09.20 23:59:59 Z		
		Certum QCA 2017	Narodowe Centrum Certyfikacji	2028.03.15 23:59:59 Z		
		Certum QCA2 2017	Narodowe Centrum Certyfikacji	2028.03.15 23:59:59 Z		
		CERTUM QTSA	Narodowe Centrum Certyfikacji (2019.04.07 23:59:59 Z		
		CERTUM QTSA	Narodowe Centrum Certyfikacji (2020.10.26 23:59:59 Z	~	
			(
			Certum Digital Identifica	tion CA SHA2	^	
		Unizeto Technologies S.A.				
		Issued by: Certum Trusted Network CA				
		Unizeto Technologies S A				
		V-111 from: 2015 04 21 1245 26 7				
		valid from: 2015.04.21 12:45:26 Z				
		Valid to: 2027.06.09 12:45:26 Z				
		Intended usage: Sign Certificate (CA), Sign CRL				

11. In the Edit Certificate Trust window that appears, go to the **Policy Restrictions** tab, and then in the **Certificate Policies** field, type a value and finish editing by clicking OK:

1.2.616.1.113527.2.5.1.6.11, 1.2.616.1.113527.2.5.1.6.12, 1.2.616.1.113527.2.5.1.6.13, 1.2.616.1.113527.2.5.1.6.14

Trust	Policy Restricti	ons
Sign restr auth iden certi was	atures will be val ictions are proviority that issued tifier to indicate ficate. An examp required to be p	id if the certificate matches this policy restriction. Policy ded by your computer administrator or the certificate this certificate. Certificates sometimes contain an the certificate authority's policy for issuing the ole policy might be one which indicates that the signer ersonally present when issued his or her certificate.
Only polic	v certificates that cy restrictions.	have been directly trusted (see the Trust tab) can have
Cert	ificate <u>P</u> olicies:	2, 1.2.616.1.113527.2.5.1.6.13, 1.2.616.1.113527.2.5.1.6.14
	Description:	Certum Digital Identification CA SHA2
(O <u>A</u> pply policy i	estrictions to all certificates in the chain
(Apply policy i	estrictions to the signing certificate only

Edit Certificate Trust	×
Certificate Details	
Subject: Certum Digital Identification CA SHA2	
Issuer: Certum Trusted Network CA	
Usage: Sign Certificate (CA), Sign CRL	
Expiration: 2027-06-09 12:45:26 Trust Policy Restrictions	
Signatures will be valid if the certificate matches this policy restriction. Policy restrictions are provided by your computer administrator or the certificate authority that issued this certificate. Certificates sometimes contain an identifier to indicate the certificate authority's policy for issuing the certificate. An example policy might be one which indicates that the signer was required to be personally present when issued his or her certificate.	
Only certificates that have been directly trusted (see the Trust tab) can have policy restrictions.	
Certificate <u>P</u> olicies: 1.2.616.1.113527.2.5.1.6.11	
Description: Certum Digital Identification CA SHA2	
<u>Apply policy restrictions to all certificates in the chain</u>	
Apply policy restrictions to the signing certificate only	
C <u>e</u> rtificate Details	
Help OK Cancel	

- 12. Close the window just now to return to the report
- 13. The program should automatically verify the signature again



14. If verification has not been resumed automatically, click on "Signature Panel" and then right-click "Rev. 1: Signed by Hanna Wachowska..." and select "Validate Signature".



15. After the verification is complete, the status of the signature is displayed - signature is VALID

	Signature Validation Status
<u>k</u> eo	Signature is VALID, signed by Hanna Wachowska <hwachowska@hamilton.com.pl>. - The document has not been modified since this signature was applied. - The signer's identity is valid.</hwachowska@hamilton.com.pl>
	Signature <u>P</u> roperties <u>C</u> lose